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**ANNUAL REPORT**  
OF THE  
**Department of Lands and Forests**  
OF THE  
**PROVINCE OF ALBERTA**  
FOR THE  
**FISCAL YEAR ENDED MARCH 31st**  
**1957**

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PUBLISHED BY ORDER OF THE LEGISLATIVE ASSEMBLY

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EDMONTON:  
PRINTED BY L. S. WALL, QUEEN'S PRINTER  
1957





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1957



To the Honourable J. J. Bowlen,  
*Lieutenant-Governor of the Province of Alberta.*


SIR:

I have the honour to submit the Report of the  
Department of Lands and Forests for the fiscal year  
ended March 31st, 1957.

I have the honour, to be, Sir,

Your obedient servant,  
NORMAN WILLMORE,  
*Minister of Lands and Forests.*

Edmonton, December 12th, 1957.



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CHIEF OFFICERS  
DEPARTMENT OF LANDS AND FORESTS

March 31st, 1957.

---

Hon. Norman Willmore.....	Minister of Lands & Forests
H. G. Jensen.....	Deputy Minister Lands & Forests
G. W. Acorn.....	Departmental Solicitor
V. A. Wood.....	Director of Lands
E. P. Shaver.....	Asst. Director of Lands
E. S. Huestis.....	Director of Forestry
J. R. H. Hall.....	Asst. Director of Forestry
T. R. Hammer.....	Supt. of Forest Protection
R. L. Loomis.....	Supt. of Forest Surveys
A. Earnshaw.....	Radio Superintendent
C. Harvie.....	Supt. Provincial Parks
E. S. Huestis.....	Fish and Game Commissioner
D. E. Forsland.....	Superintendent of Game
H. B. Watkins.....	Superintendent of Fisheries
T. W. Dalkin.....	Director, Technical Division
H. Soley.....	Asst. Director, Technical Division
A. McCallum.....	Administrative Accountant
H. E. Bennett.....	Asst. Administrative Accountant
C. B. Kenway.....	Registrar
Miss R. Lavallee.....	Personnel Officer
Mrs. L. M. Brown.....	Stationery & Supplies

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EASTERN ROCKIES FOREST CONSERVATION BOARD

Major General Howard Kennedy, C.B.E., M.C., B.Sc.....	Chairman
Ivan Casey.....	Member
A. T. Baker.....	Member
S. R. Hughes.....	Administrative Officer



**REPORT**  
OF THE  
**Department of Lands and Forests**  
1956 - 1957

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HONOURABLE NORMAN WILLMORE,  
Minister of Lands and Forests,  
Edmonton, Alberta.

SIR:

I have the honour to submit the annual report of the Department of Lands and Forests for the fiscal year ending March 31st, 1957.

Respectfully submitted,

H. G. JENSEN,  
Deputy Minister.

Edmonton, December 9th, 1957.

## **Public and School Lands Administration**

### **REPORT OF THE DIRECTOR OF LANDS, V. A. WOOD**

In the fiscal year, April 1st, 1956, to March 31st, 1957, there were 113,209 items of outgoing mail from this division compared to 107,881 items for the previous fiscal year. This is approximately a 5 per cent gain over the previous year and indicates a steady increase in the amount of work processed by the division.

As in the past fiscal year the policy was continued of offering for sale partially brushed and piled units in township 82, ranges 10 and 11, west of the 6th meridian.

The policy of granting lessees in the Wanham clearing and breaking project the right to relinquish their homestead leases and obtain a purchase contract was continued but amended by reducing the purchase price of \$25.00 per cultivated acre to \$15.00 and by cancelling the requirement to pay interest except on overdue instalments. The term of the contract remains at 15 years. Twenty-four new sale contracts were issued during the fiscal year. This number includes some of the original contract holders who were given the right under the new contract.

In the spring of 1957 a committee of three was appointed by the Minister to meet with the individual lessees whose crop share accounts were in poor standing. The first meetings were held from March 19th to 21st at Wanham and Eaglesham. Several of the lessees interviewed preferred to come under sale contract. Those wishing to remain under a lease contract gave commitments to pay their outstanding crop share indebtedness by the end of 1957.

The exploration and oil development in the more sparsely settled areas continued and consequently the number of rights of entry for well-sites, pipelines and other related land uses stayed at a high level during the fiscal year.

Since July 4th, 1955, when the first application for a homestead lease loan was accepted under The Homestead Lease Loan Act considerable interest has been shown in this form of assistance although the number of loans granted was less than for the previous year, 236, as compared to 643.

In December, 1956, the Lands Division invited representatives of the Provincial Department of Agriculture, the Department of Municipal Affairs, the University of Alberta, the Forestry Division and the Economics Division of the Federal Department of Agriculture to a conference, to discuss the land settlement policies presently in effect in the department. A good discussion was held and several recommendations were made and presented to the Minister. From these recommendations and discussions held within the department, a new homestead sales policy was proposed. The amendments to The Public Lands Act to inaugurate



the new policy were drafted and submitted to the 1957 session of the legislature.

Under this proposed homestead sale policy, a person may acquire up to three quarter-sections of land, and after performing five years' cultivation duties, similar to those required under a homestead lease and paying the purchase price, the purchaser may apply for title.

The homestead sale regulations do not require any residence duties, which is their main advantage over the present homestead lease regulations.

Although considerable areas of land have been newly surveyed, no additional lands were opened for settlement during the year. This step was taken because of a lack of interest in obtaining homestead leases and there are sufficient areas of land already open and available to take care of the small demand.

During the fiscal year surveys of the following townships were wholly or partially completed and if the demand develops it is intended to make available some of the lands for homestead leases in the fall of 1957:

Township 87, range 6, west of the 6th meridian

Township 86, range 9, west of the 6th meridian

Township 87, range 9, west of the 6th meridian

Township 86, range 10, west of the 6th meridian

Township 87, range 10, west of the 6th meridian

Township 79, range 11, west of the 6th meridian

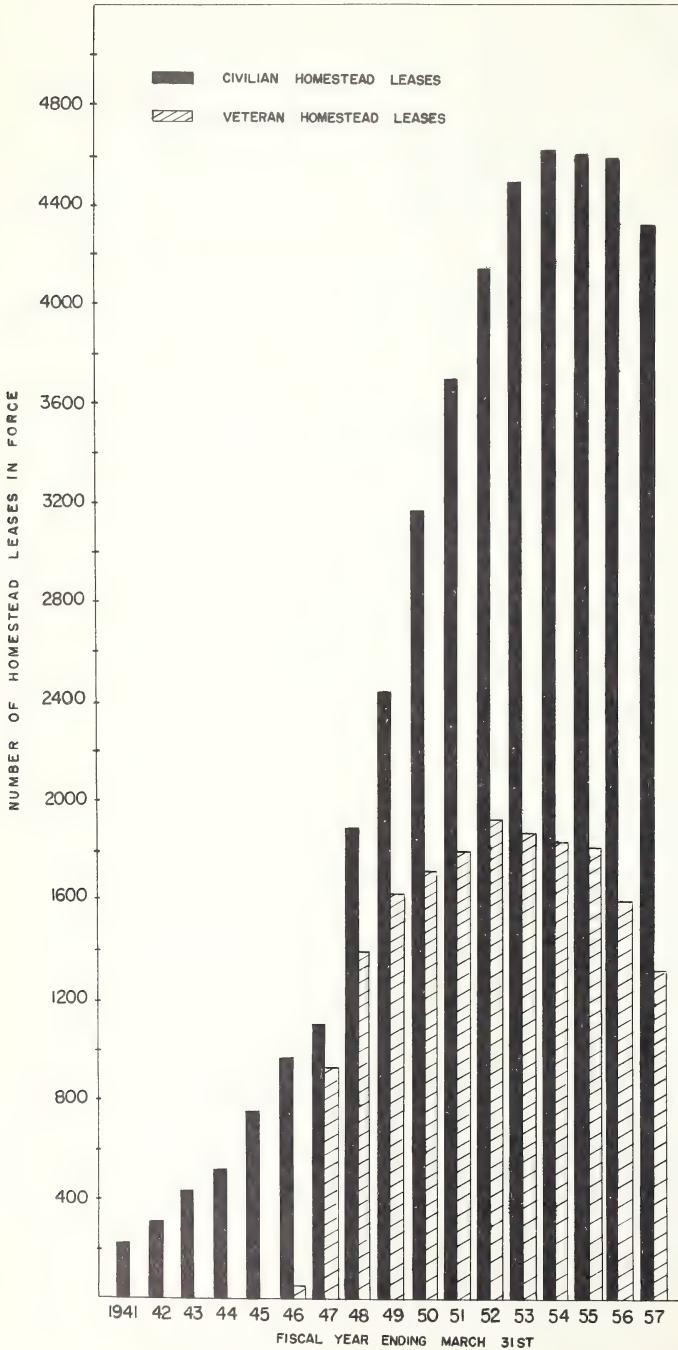
Township 80, range 11, west of the 6th meridian

In addition to these townships, surveys of lots were carried out in the Lodgepole and Sturgeon Lake subdivisions.

A total of 614 veteran and civilian homestead leases were issued during the fiscal year. This number is a decrease of 260 from the 874 leases issued during the previous fiscal year.

On March 25th, 1930, the granting of homesteads was discontinued and replaced by the establishment of agricultural lease regulations.

The first "agricultural lease" which is now designated "homestead lease" was issued on September 1st, 1940. Since that time the number of leases in force increased until 1954. During the past two or three years a greater number of leases have been patented and there have been a large number cancelled because the lessee failed to complete the required duties. The accompanying diagram shows the number of leases in force:



## ORDERS-IN-COUNCIL

The following are a few of the more important orders-in-council pertaining to the Lands Division which were passed during the fiscal year.

O.C. 972-56, July 17, 1956 - Amended the wording and brought up to date the description of the areas which come under the regulations governing the leasing of road allowances in southern Alberta.

O.C. 1530-56, November 6th, 1956 - Authorized the setting aside of certain lands in the Fort Vermilion Settlement, for the Indian Affairs Branch of the Department of Citizenship and Immigration.

O.C. 1556-56, November 13th, 1956 - Authorized the sale of certain lands in Smith Landing Settlement as a site for commercial lumbering operations.

O.C. 385-57, March 4th, 1957 - Amended a previous order-in-council and authorized the Minister to sell certain lands in a land clearing and breaking project to lessees at \$15.00 per cultivated acre plus any amounts paid by the Department for taxes.

## HOMESTEAD LEASE LOANS

For the fiscal year 295 applications for loans were received and with the carry over from the previous year, 511 contracts were issued and sent to lessees for execution. Of this number 236 contracts were executed. There were 26 loan contracts cancelled during the year.

Payments from the one million dollar fund established by The Homestead Lease Loan Act, amounted to \$385,413.25, on 287 completed and approximately 225 partially completed contracts.

## HOMESTEAD LEASES

There were 564 civilian and 50 veteran homestead leases issued during the fiscal year, compared to 783 civilian and 91 veteran leases in the previous fiscal year. The number of cancellations decreased by 197. The number of leases patented increased by 32.

The demand for homestead leases has shown a marked decrease in the past year due to the many opportunities for non-farm work and the generally unfavourable position of agriculture as compared to other non-farm industries.

The Homestead Lease Loan Act has assisted many lessees in developing a more stable farm unit.

## CROP SHARES

Seeding of the 1956 crop got under way in the early part of May in some areas, with general seeding in progress by May 15th.

Approximately 98% of the wheat and 84% of the coarse grains had been seeded by May 30th, 1956, an increase of approximately 10% more wheat and coarse grains seeded than in the corresponding date in 1955. This increase in seeding operations was made possible by good post-harvest conditions in 1955, permitting Alberta farmers to partially prepare a good seed bed in the fall of 1955 and with a high degree of mechanization which, combined with favourable weather conditions, permitted long hours of uninterrupted work.

Moisture conditions throughout the early growing season were satisfactory except for the eastern portion of the Province where crops suffered from drought in the early part of June, resulting in uneven germination and patchy crops in that area. However, general rain in mid-June generally revived most crops and from then on they progressed favourably.

Precipitation was slightly less than in 1955, but was still above normal for Alberta.

General harvesting began in early September but intermittent rainy weather held up operations which were not concluded in most areas until the end of September and early October.

The 1956 crop was slightly below the average of 1954 and 1955 due to lack of precipitation in the early growing season.

Wheat graded an average of No. 5, coarse grains from No. 2 feed, with some areas grading tough.

The average yields per acre in Alberta were estimated as follows:

Wheat	26.5 Bushels
Barley	33.2 Bushels
Rye	15 Bushels
Flax	13.9 Bushels

Initial prices quoted by the Canadian Wheat Board for the crop year 1956-57 commencing August 1st, 1956, based on storage at Fort William, Port Arthur or Vancouver for No. 1 grades were:

Wheat	—————	\$1.40
Barley	—————	.98
Oats	—————	.65

Cash closing prices on the Winnipeg Grain Exchange for rye and flaxseed as on the dates shown were as follows:

August 13th, 1956      February 27th, 1957

Rye 2 CW ————— \$ 1.27 5/8 ————— \$ 1.17

Flax 1 CW ————— 3.60 6/8 ————— 2.85 1/2



In 1956, yields of less than 5 bushels per acre for oats, barley and rye, 4 bushels per acre for wheat, 3 bushels per acre for flax, and other crops where the value of the yield was less than \$4.00 per acre, were considered a failure.

The initial delivery quota at all stations for 1956-57 crop year was 100 units other than Durum Wheat, each unit equal to 3 bushels of wheat or 8 bushels of oats or 5 bushels of barley or 5 bushels of rye.

Maximum of 300 Bushels Wheat  
or 500 Bushels Barley  
or 500 Bushels Rye

By February 28th, 1957, out of a total of 590 shipping points in Alberta, the Canadian Wheat Board had been able to place 84 on a quota of 5 bushels per specified acre and 203 on a 4-bushel quota. Of the remaining points, 214 on a 3-bushel quota, 70 on a 2-bushel quota and 19 stations were reported as closed.

Prices on grass and legumes on the whole averaged the same as in 1955, with slightly higher prices for some varieties.

It is interesting to note the introduction of rape to Alberta crops. During the year 1954, there was no rape seed production recorded in Alberta. However, in 1956, a total of 8,000 acres had been seeded to this variety of crop and in 1956, 32,000 acres were seeded to rape.

Settlement of outstanding crop share accounts has improved considerably over the previous year, with the balance of these accounts remaining unpaid due mainly to quota restrictions.

Approximately 90% of the homestead lessees applying for notification had made payment in full for outstanding crop share indebtedness upon application. The early settlement of crop shares was also favourably affected by those lessees applying for assistance under The Homestead Lease Loan Act, which required settlement of indebtedness prior to application for loan.

The administration and collection of crop share on cultivation leases and homestead leases has been greatly improved in the past year in that individual correspondence clerks deal exclusively with a certain series of leases and are responsible for obtaining the required crop share forms and collection of crop share accounts, resulting in increased collection. It is felt that this system will show increased benefit with reference to crop share collections in the future.

#### SALES AND CULTIVATION LEASES

During the fiscal year ending March 31, 1957, a total of 127 parcels and 3 lots of public land and 139 parcels of school land were offered for sale. Of these, 74 parcels of public land, 120 parcels of school land and all 3 lots were sold. No lands were offered in the areas withdrawn from settlement nor, generally speaking, were lands suitable for homesteading or covered with commercial timber.

The highest price received per acre was \$66.00 for a parcel of non-irrigable land, at the Drumheller sale. The average price per acre received was \$19.60 as compared with \$13.16 per acre of the previous year.

By the end of the fiscal year there was a decrease of 69 accrued area leases (5,214.43 acres) and 63 cultivation leases (20,419.57 acres). There was an increase of 35 sales (4,543.23 acres). In addition the exchanges of land and transfers of land to the St. Mary and Milk Rivers Irrigation Project and the transfer of tax recovery lands to the Department of Municipal Affairs have steadily increased.

All cultivation leases issued now are on a cash rental basis but the holders of existing leases are given the option of converting from crop share rental to cash rental. A number of these conversions have taken place within the past year.

The amalgamation mentioned in last year's report, of crop share collections and calculations on cultivation leases, has proved very satisfactory. The one group is now able to take care of the crop share collection and the general administration of the cultivation leases.

#### SPECIAL LAND USES

During the past year the department dealt with numerous applications for well sites, battery sites and oil and gas pipeline rights-of-way as the search for petroleum and natural gas continued to extend into the unsettled areas of the province. Existing pipeline rights-of-way were extended as fields were developed or new fields were discovered.

Many miscellaneous leases and permits were issued in undeveloped areas of the province for temporary camps for personnel engaged in searching for or producing petroleum or natural gas.

There has been a continual demand for summer cottage sites on public lands adjoining lakes and rivers. Inspections were made of several areas to determine their suitability for such use and several of these sites were selected for survey during 1957. Under the present policy, ten-year miscellaneous leases are issued on lots in these summer cottage subdivisions. The lessee is required to build a cottage within two years of the issue of the lease.

There has also been considerable demand for sites adjoining highways for filling stations, motels and other uses. Inspections and investigations were carried out in these cases in co-operation with the Department of Highways and the Planning Commission to determine the feasibility of subdividing public lands adjoining the highways and the best location for such subdivisions.

There have been numerous easements issued to Rural Electrification Associations and other electrical power companies for rights-of-way for power lines into farming areas and oil fields.

## SUB-AGENCIES:

Public land sub-agencies were maintained at Bonnyville, Lac La Biche, Peace River, Edson, Rocky Mountain House and Grande Prairie. The Office of Information in Calgary was also continued.

Temporary sub-agencies for one or two days a month were continued at High Prairie, Spirit River, Bay Tree, Cherry Point, Hines Creek and Fort Vermilion.

## INSPECTIONS:

The inspection work was carried out by fifteen permanent and five temporary inspectors. During the winter and early spring, when unable to work in the field, the permanent inspectors assisted in office work. Inspectors also conducted the auction sales of school and public lands.

The following is a summary of field inspections:

## Soil Survey (Applications for homestead leases):

Requests outstanding at April 1, 1956	321
Reports called during fiscal year	372
Reports received during fiscal year	525
Requests outstanding at March 31, 1957	168

## General, Grazing and School Lands:

Requests outstanding at April 1, 1956	2,324
Reports called during fiscal year	5,631
Reports received during fiscal year	5,851
Requests outstanding at March 31, 1957	2,104

There was a decrease of more than 800 requests for inspections over the preceding year, mainly due to the decrease in applications for homestead leases and loans.

## SUPERVISOR, LAND CLASSIFICATION:

Inspections were made of the following lands in the green area due to requests from the public to have them made available for settlement:

Townships 55 & 56, Ranges 13 & 14, W. 5th Meridian  
 Townships 69 & 70, Ranges 25 & 26, W. 5th Meridian  
 Township 63, Range 5, W. 5th Meridian

Inspections for settlement purposes were made in Township 84, Ranges 9 and 10, West of the 6th Meridian.

General inspections were made in the Peace River district, in areas that were inaccessible to anything but a four wheel drive vehicle.

Because of wet weather, it was impossible to make an exploratory survey for settlement purposes of Township 104, Ranges 13 to 18, West of the 5th Meridian.

## COLLECTIONS:

During the year under review the temporary inspector of collections commenced operations in the late spring and was employed until November. His work was confined to the northern districts. He travelled 13,374 miles completing 590 collections for a total of approximately \$12,900.00. In addition many grain storage tickets and cheques for future presentation were obtained.

Again grain quotas and a shortage of elevator space held up deliveries. Adding to the many difficulties in making collections and reports was the absentee lessee, many of whom were employed away from their leases.

A considerable number of seeding and harvesting reports were obtained by the Inspector of Collections, bringing records up to date.

The following is a summary of business transacted:

## HOMESTEAD LOANS

Loans in force at April 1, 1956	643
Loans granted during fiscal year	236
Loans cancelled during fiscal year	26
Loans in force at March 31, 1957	853

## ACCRUED AREA LEASES

	Number	Area in Acres
Leases in force at April 1, 1956	762	44,581.25
Leases issued during fiscal year	60	5,280.17
Leases cancelled during fiscal year	129	10,494.60
Leases in force at March 31, 1957	693	39,366.82

## HOMESTEAD LEASES - CIVILIAN

Leases in force at April 1, 1956	4,475	1,075,532.02
Leases issued during fiscal year	564	144,137.63
Leases cancelled during fiscal year	509	127,923.47
Leases patented during fiscal year	223	45,739.36
Leases in force at March 31, 1957	4,307	1,046,006.82

## HOMESTEAD LEASES - VETERAN

Leases in force at April 1, 1956	1,526	415,139.83
Leases issued during fiscal year	50	14,035.15
Leases cancelled during fiscal year	87	23,973.36
Leases patented during fiscal year	153	39,279.91
Leases in force at March 31, 1957	1,336	365,921.71

CLEARING PROJECT LEASES INCLUDED  
IN THE ABOVE TWO SECTIONS AT  
MARCH 31, 1957

Civilian	52	16,689.89
Veteran	147	47,068.40
Total	199	63,758.29



CLEARING PROJECT PURCHASE	<u>Number</u>	<u>Area in Acres</u>
AGREEMENTS at March 31, 1957	20	6,393.66

## LICENSES OF OCCUPATION

Licenses in force at April 1, 1956	419	8,361.49
Licenses issued during fiscal year	31	475.30
Licenses cancelled during fiscal year	26	819.89
Licenses in force at March 31, 1957	424	8,016.90

## MISCELLANEOUS LEASES

Leases in force at April 1, 1956	298	22,935.37
Leases issued during fiscal year	58	967.66
Leases cancelled during fiscal year	34	1,217.75
Leases in force at March 31, 1957	322	22,685.28

## SEED CROP LEASES

Leases in force at April 1, 1956	2	25,861.30
Leases issued during fiscal year	0	0
Leases cancelled during fiscal year	0	0
Leases in force at March 31, 1957	2	25,861.30

## TOWNSITE LEASES

Leases in force at April 1, 1956	6	790.33
Leases issued during fiscal year	2	308.20
Leases cancelled during fiscal year	0	0
Leases in force at March 31, 1957	8	1,098.53

## MINERAL SURFACE LEASES

Leases in force at April 1, 1956	10	17,891.13
Leases issued during fiscal year	0	0
Leases cancelled during fiscal year	1	272.20
Leases in force at March 31, 1957	9	17,618.93

## FUR FARM LEASES

Leases in force at April 1, 1956	4	929.00
Leases issued during fiscal year	0	0
Leases cancelled during fiscal year	0	0
Leases in force at March 31, 1957	4	929.00

## CULTIVATION LEASES

Leases in force at April 1, 1956	843	176,073.88
Leases issued during fiscal year	31	5,530.59
Leases cancelled during fiscal year	71	21,709.48
Leases in force at March 31, 1957	803	159,894.99

## PUBLIC LAND SALES

Sales in force at April 1, 1956	890	120,964.05
Sales granted during fiscal year	153	14,287.53
Sales patented during fiscal year	107	7,117.12
Sales cancelled during fiscal year	22	3,821.99

	<u>Number</u>	<u>Area in Acres</u>
Sales in force at March 31, 1957	914	124,312.47

## ROAD ALLOWANCE LEASES

Leases in force at April 1, 1956	1,276	61,725.39
Leases issued during fiscal year	132	4,583.15
Leases cancelled during fiscal year	63	1,938.76
Leases in force at March 31, 1957	1,345	64,369.78

## RIGHTS OF ENTRY

Rights of Entry in force at April 1, 1956	873
Applications received during fiscal year	1,045
Rights of Entry cancelled during fiscal year	161
Rights of Entry granted during fiscal year	827
Applications pending at March 31, 1957	1,026
Rights of Entry in force at March 31, 1957-1,539	

Of the 1,045 applications which were received 91 were block applications which covered approximately 312 well-site locations.

## EASEMENTS

Leases in force at April 1, 1956	293
Leases issued during fiscal year	97
Leases cancelled during fiscal year	4
Leases in force at March 31, 1957	386

## QUARRYING LEASES

Leases in force at April 1, 1956	19
Leases issued during fiscal year	0
Leases cancelled during fiscal year	2
Leases in force at March 31, 1957	17

(These Quarrying Leases cover Sand and Gravel only)

## SAND AND GRAVEL LEASES

Leases in force at April 1, 1956	156
Leases issued during fiscal year	42
Leases cancelled during fiscal year	21
Leases in force at March 31, 1957	177

## NOTIFICATIONS FOR TITLE

(Homesteads and Soldier Grant Entries)

Applications for Notification for Title on	
hand April 1, 1956	37
Applications for Title received during	
fiscal year	2
Notifications for Title issued during	
fiscal year	3
Homestead Entries cancelled	3
Unpatented Homestead and Soldier	
Grant Entries	36

During the above fiscal year, three more squatters were found whose rights to homestead entries must be recognized under the terms of the Agreement for the transfer of the natural resources to the province.

MISCELLANEOUS PERMITS	<u>Number</u>	<u>Area in Acres</u>
-----------------------	---------------	----------------------

Issued during fiscal year	_____	694
---------------------------	-------	-----

MISCELLANEOUS PERMITS (TRAPPERS CABINS)
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Issued during fiscal year	_____	179
---------------------------	-------	-----

GRAZING PERMITS
-----------------

Issued	_____	1,503	_____	295,078.11
--------	-------	-------	-------	------------

CULTIVATION PERMITS
---------------------

Issued	_____	58	_____	1,490.00
--------	-------	----	-------	----------

HAY PERMITS
-------------

Issued	_____	381
(Total number of tons - 4,023)		

SAND AND GRAVEL PERMITS
-------------------------

Issued	_____	97
--------	-------	----

SAND AND GRAVEL RESERVATIONS
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To Provincial Government Departments, Municipal Districts, Cities and Towns	_____	255
--	-------	-----

To Government of Canada	_____	11
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ASSIGNMENTS REGISTERED
------------------------

(Leases, Permits and Sales)	_____	243
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GRAZING
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The field work of the Grazing Inspection Branch was carried out in 1956 by the Grazing Appraiser and Assistant Grazing Appraiser.

During the year there were a large number of inspections required for the issuance of long term grazing leases on the lands covered by grazing permits.

In addition there were the usual number of inspections for renewal of leases.

The year 1956 was noted by a marked increase in the demand for grazing lands, especially in the southern portion of the province. Much of the demand was brought about by grain farmers who were unable to sell their grain and decided to process it through livestock. These farmers desired summer grazing for the cattle while their cultivated land was in crop.

Throughout the year contact with grazing lessees was maintained and advice, where requested, was given with respect to increasing the forage production of native ranges and cultivated land. With the great demand prevailing for grazing lands more attention will have to be given in future to increasing the production of forage on ranch units.

In 1956 the Grazing Appraiser was invited to become a member of the Forage Crops Advisory Committee. This is a Federal-Provincial organization consisting of members from the Dominion Experimental Farms, Provincial Government and University of Alberta who are engaged in forage crop production and plant breeding. Through this organization up to date information will be available for the improvement and development of forage crops worthy of introduction into various districts of the Province of Alberta.

Again, as in previous years, constant vigilance was maintained to prevent the invasion of range weeds from other provinces and the State of Montana. So far only downy brome or cheat grass, (an annual brome) has made an appearance, mostly in the southwestern portion of the province. This grass has some value for grazing in early spring and is not a serious pest at the present time.

So far as is known, no invasion of goat weed and burro weed or halogeton have been noted in the province. These two plants if once established could cause serious depletion of range grazing resources and attempts will at all times be made to isolate and eradicate them.

During 1956 the question of the holder of a grazing lease being allowed to indiscriminately assign his lease became a matter of concern. The question was discussed at a meeting between the executive of the Western Stock Growers' Association and representatives of the department and it was agreed that the Minister should have the authority to turn down any assignments which he did not consider to be in the public interest.

During 1956 some complaints were received to the effect that persons other than Canadian citizens or British subjects were being allowed to hold grazing leases. It was decided that only persons who could provide evidence of Canadian citizenship or who were British subjects would be allowed to obtain a lease by application or through assignment.

An amendment to The Public Lands Act to cover the two changes in policy were submitted to the 1957 session of the legislature.

A limited number of applications for assistance under the Range Improvement Program were received and investigated for development of water supplies or regrassing former cultivated areas.

The interest in community pastures is growing and it is felt that there will be an increasing demand for such pastures in the future.

During 1956 the Purple Springs Community Pasture was established. This pasture will be operated by the department with a permanent care-



taker. It includes 1280 acres of which about 600 acres are irrigable. The irrigable area was broken up and mostly seeded to grass with a nurse crop. It is expected that cattle will be pastured on this area in the fall of 1957.

During 1956 three "Wild Horse Round-Ups" were authorized, one in the Peace River area and two in the area around Smoky Lake. No returns have yet been received on the Peace River round-up but approximately 60 head of "slick" unbranded horses have been taken out of the Smoky Lake area. There is considerable interest in the round-up of "slick" horses in the area south of the Jasper highway, from the coal branch west to the Jasper Park boundary.

The average price for all grades of cattle, except fed calves, choice steers and choice heifers sold on the Calgary market during the period July 1st to December 31st, 1956, was 14.06¢ per lb. as compared to 14.34¢ per lb. for the same period in 1955. Accordingly, the rental and taxes per acre for the period from January 1st to December 31st, 1957, on grazing leases and from April 1st, 1957, to March 31st, 1958, on grazing permits were decreased from 1956 as follows:

	<u>1956</u>	<u>1957</u>
One head to 24 acres —————	18 3/4¢	18 1/4¢
One head to 32 acres —————	14¢	13 3/4¢
One head to 40 acres —————	11 1/4¢	11¢
One head to 50 acres —————	9¢	8 3/4¢
One head to 60 acres —————	7 1/2¢	7 1/4¢

Lands formerly in the special areas which have been transferred to the jurisdiction of this department remain in a special category as far as rental is concerned. The rate is based on 8% of the forage value as compared to 12 1/2% for other lands outside the special areas.

On lands formerly in the special areas, 1957 rentals for grazing leases and grazing permits as compared to 1956 are as follows:

	<u>1956</u>	<u>1957</u>
One head to 40 acres —————	7 1/4¢	7¢
One head to 50 acres —————	5 3/4¢	5 1/2¢
One head to 60 acres —————	4 3/4¢	4 3/4¢

Grazing rentals on a head tax basis for 1957 on Provincial Grazing Reserves were set as follows:

Horses —————	\$1.40 per head per month
Cattle —————	\$1.20 per head per month
Sheep —————	\$0.10 per head per month

Where no caretaker or other facilities are provided by the department, grazing rental on a head tax basis is as follows:

Horses —————	50¢ per head per month
Cattle —————	40¢ per head per month
Sheep —————	08¢ per head per month

There were twenty-eight grazing association leases and three Provincial grazing reserves in operation in 1956 as well as five long term grazing leases by associations in the process of formation.

The following is a summary of the grazing reserves and community pastures operated by associations:

#### DEPARTMENTAL RESERVES (Permanent Caretakers)

##### Twin River Provincial Grazing Reserve

The Twin River Provincial Grazing Reserve comprises an area of 21,388 acres with 23 3/4 miles of fencing.

In 1956, forty-three permits were issued for the grazing of 1,434 head of cattle on a six-month basis. The caretaker was resident on the reserve during the full grazing season, May 1st to November 1st, and his services were very satisfactory.

##### Vauxhall Provincial Grazing Reserve

The area of the Vauxhall Provincial Grazing Reserve available for allotment in 1956 was approximately 100,000 acres with 39 3/4 miles of two - three - and four - wire fence belonging to the department.

The area which was formerly dealt with as a reserve and administered by a permanent caretaker was turned over to the Vauxhall Grazing Association during 1953. The said association operated in 1956 in the same manner as an association holding a lease.

The area of this reserve was slightly reduced in 1956 by the expansion of the Bow River Irrigation Project.

On lands surrounding the area held by the Vauxhall Grazing Association, allotments were made to individuals in 1956 on a similar basis as that followed in previous years.

##### Purple Springs Irrigated Community Pasture

The area of the Purple Springs Irrigated Community Pasture is 1280 acres. A caretaker was hired in 1956 for fencing and irrigation work. The oat crop grown as a nurse crop for the newly planted grass was sold privately. It is expected that possibly 200 head of stock will be placed on this pasture during the latter part of 1957.

#### RESERVES HANDLED BY ASSOCIATION (Association responsible for upkeep and care of the stock)

##### Grazing Reserves under long term grazing leases by association

<u>Name of Grazing Reserve</u>	<u>Area in Acres</u>
Barnwell Grazing Association - Barnwell	3,142
Big Four Lease Association - Armada	3,035
Blackfoot Grazing Association - Uncas	24,599

<u>Name of Grazing Reserve</u>	<u>Area in Acres</u>
Bluefield Grazing Association - Elkwater	11,726
Boundary Creek Association - Boundary Creek	637
Bow Island-Forty Mile Grazing Association - Burdett	24,365
Bowell West Grazing Association - Bowell	8,009
B. T. Grazing Co-Operative Ltd. - Hilda	26,351
Castle River Stock Association - Beaver Mines	6,159
Chauvin District Grazing Association - Chauvin	1,113
Comrey Grazing Association - Comrey	29,954
Cresthill Farmers Community Cattle Grazing Lease Association - Chauvin	14,271
Deimuth Lease Association - Turin	1,478
Dunn Lake Cattle Association - Edgerton	3,596
Fir Grove Stock Association - Bellevue	3,750
Green Prairie Grazing Group - Armada	2,875
Jumping Pound Stock Association - Calgary	13,406
The Lakes Grazing Association - Czar	1,907
Lomond Grazing Association - Lomond	90,069
Many Island Lake Grazing Association - Medicine Hat	17,647
Nemiscam Community Pasture Organization - Nemiscam	4,781
North Group Cattle Association - Lea Park	9,935
Pipeline Grazing Association - Bowell	23,261
Poll Haven Community Pasture - Mountain View	10,462
Rocky Coulee Grazing Association - Bowell	4,432
Ross Lake Community Pasture - Owendale	4,473
Tide Lake Grazing Association - Jenner	15,779
Tulliby Lake Stockmen's Association - Marwayne	13,990

The Buffalo Park Grazing Association operating at Wainwright made use of grazing facilities on the military camp area at Wainwright and secured grazing privileges of 10,576 cow months and 2,272 sheep months during 1956. The association provided grazing privileges for 2,052 head of cattle, 568 head of sheep and 17 head of horses. In addition, a permit was granted to cut and remove 740 tons of hay from the military area in 1956.

The arrangement for obtaining grazing privileges in this area is in accordance with an agreement between the Department of National Defence, the Buffalo Park Grazing Association and this department. Rental paid for grazing obtained and hay cut is applied to the Department of National Defence's rental account with this department.

<u>LONG TERM GRAZING LEASES</u>	<u>Number</u>	<u>Area in Acres</u>
Leases in force at April 1, 1956	2,530	3,206,850.65
Leases issued during fiscal year	558	322,276.88
Leases renewed during fiscal year	72	80,598.38
Leases cancelled during fiscal year	66	69,572.75
Leases in force at March 31, 1957	3,022	3,459,554.78

## SCHOOL LANDS

Of the 139 parcels of school land offered for sale during the past fiscal year a total of 120 were sold. This is an increase of parcels offered and sold over the previous year. The amount of money collected on new school land sales during the fiscal year was \$59,211.35, an increase of \$3,458.05 over the previous year.

The total revenue derived from school land sale accounts during the fiscal year was:

Principal	\$ 370,151.89
Interest	\$ 59,591.97
Total	\$ 429,743.86

It will be noted that this also is an increase over last year of \$43,279.16.

The following is a summary of other school land business transacted:

SCHOOL LAND SALES	<u>Number</u>	<u>Area in Acres</u>
Sales in force at April 1, 1956	1,898	295,425.18
Sales granted during fiscal year	128	18,176.66
Sales cancelled during fiscal year	25	4,593.73
Sales patented during fiscal year	92	12,388.12
Sales in force at March 31, 1957	1,909	296,619.99

## MISCELLANEOUS

Leases in force at April 1, 1956	69	2,685.16
Leases issued during fiscal year	0	0
Leases cancelled during fiscal year	9	383.31
Leases in force at March 31, 1957	60	2,301.85

## CULTIVATION LEASES

Leases in force at April 1, 1956	1,181	238,428.08
Leases issued during fiscal year	24	5,321.39
Leases cancelled during fiscal year	47	9,562.07
Leases in force at March 31, 1957	1,158	234,187.40

## GRAZING PERMITS

Issued during fiscal year	803	206,260.18
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## CULTIVATION PERMITS

Issued during fiscal year	29	1,027.00
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## HAY PERMITS

Issued during fiscal year	87
(Total number of tons - 1,092)	

ASSIGNMENTS REGISTERED Number

Leases, Permits and Sales -----166

Statement of revenue pertaining to School Lands may be found in the report of the Accounting Division.

Note: The term "Leases cancelled during fiscal year" includes leases which expired.

## STAFF

The turnover of staff, mainly in the stenographic group was about the same as in former years.

Due to the increase in work it was necessary to add one correspondence clerk in the special land use group.

Mr. W. P. Coad, Supervisor, Field Staff, left the department to accept a position as a member of the Right of Entry Arbitration Board. Mr. Coad had been with the department for approximately 17 years during which time his services were very much appreciated.

As in former years the co-operation and faithful service of the lands branch staff was appreciated.



**Forestry**  
**REPORT OF THE DIRECTOR OF FORESTRY**  
**E. S. HUESTIS**

**FIRE**

Heavy snowfall during the winter provided ample moisture in all areas. This favourable condition deteriorated rapidly throughout the month of May due to hot and dry weather and continuous high winds. This prolonged persistent period of high fire hazard together with a high fire incidence resulted in one of the worst fire seasons on record. Relief from this condition was obtained by heavy rains in the first part of June. The occurrence in July of hot dry periods, accompanied by severe electrical storms over large areas greatly increased fire suppression difficulties. Well distributed rains during the latter part of the summer and fall months, kept the hazard normal and fire occurrence low. An unusual feature in the fall weather was an abnormally warm and dry November, mostly in the west central area, resulting in a number of small fires and an increasing fire danger until snow fell at the end of the month. The extreme northern part of the province obtained heavier than average precipitation, well distributed throughout the season. The consistently low fire hazard assisted greatly in fire control, as fire occurrence was one of the lowest on record in this northern area.

Suppressive action was taken on 258 fires. Of these fires, 147 (57%) originated in the forest zone, and 111 (43%) in the settlement zone. A total of 694,480 acres were burned over, consisting of 577,801 acres of forested land and 116,679 acres of non-forested land.

Principal causes were settlers, responsible for 24%, lightning 17.8%, campers 14.4%, smokers 12%, and incendiary 12% forming 80.2% of all fires. Principal cause showing improvement is "incendiary" declining from 13.8% to 12%. Causes showing increases are smokers from a previous 9.9% to 12%, and settlers again showing an increase from 21.9% to 24%.

Our detection system was improved this season by construction of nine new towers and associated buildings. A number of these were carried over from last year and were in various stages of construction. Not all were completed for full time service this season. The new fiberglas cupolas have been very satisfactory and over a period of time it is the intention to replace all the older ones with this type.

Listed below are the number of fires reported by the different agencies indicating an increase in fires reported by towers and aircraft and continued good co-operation by the public.

Forest Officers	Towers	Public	Railway	Aircraft
61	94	87	8	8
Percentage				
23.7%	36.4%	33.7%	3.1%	3.1%



Fire Fighter.

A total of 76 prosecutions were instigated and 66 convictions obtained by the Forest Service under Part III of The Forests Act.

An increase in heavy equipment included two D6 caterpillar tractors with dozers and winches, two bombardiers, 12 fire pumps, fire hose, boats and canoes, wagons, trailers, heavy and patrol type trucks. Sufficient light equipment was obtained to replace lost and worn out equipment and to supply new ranger districts. An improvement in the fire suppression organization was made by increasing the permanent staff by four district rangers and six assistant rangers. Seasonal four-man standby fire crews used successfully in previous years were increased from six to eight crews this year.

A very heavy program of new construction and maintenance of roads and buildings was carried out by the field staff, including standby fire crews, when fire conditions were favourable. This includes three new ranger stations, consisting of a fully modern house, 26 x 34 semi-bungalow, a two-stall garage 24 x 22, equipment cache 16 x 24, and engine house 10 x 12. These stations were built by contract under supervision of the forest superintendent.

An improvement was made in the fire control plans. Forest cover maps and statistical records of past fire experiences were used in the preparation of maps and overlays showing areas of high value, high hazard, high incidence, high lightning storms, low detection and poor accessibility, etc.

## TIMBER

The number of active timber operations increased on provincial lands. The production of railway ties and round timber increased, but there was a decrease in the amount of lumber manufactured.

Lumber export markets were fairly good until early winter. Then poor market conditions in the U.S.A. together with the high rate of discount on U.S. funds resulted in lower returns on lumber shipped.

The North Western Pulp & Power Ltd. pulp mill at Hinton is rapidly nearing completion and will be turning out a good grade of Hi-Brite pulp.

The exporters of fire-killed pulpwood have expanded their operations and expect a larger cut next year. The pulpwood was shipped to mills south of the Great Lakes.

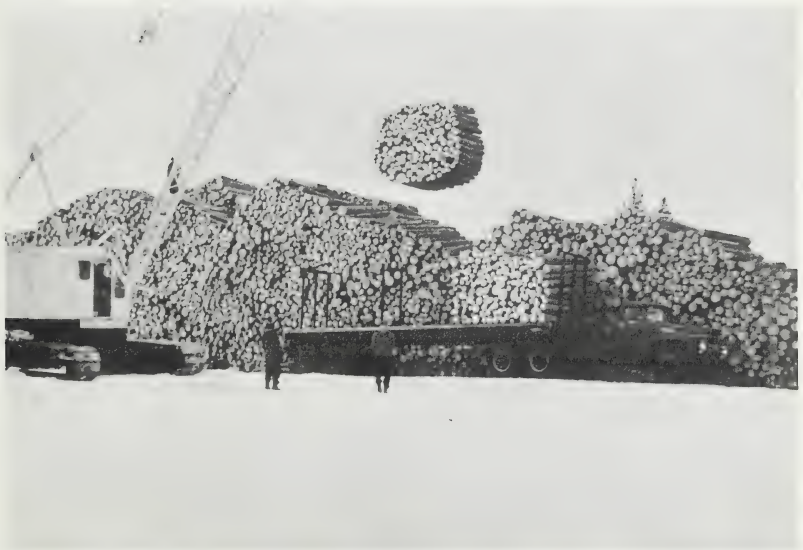
Participation by the Federal Government, particularly in the field of silviculture, entomology and pathology, continues on a high scale.

Extensive work has been carried out by the Dominion Forest Service in a pilot management unit in the Marsh-Head Creek area of the Whitecourt Division. A management plan is almost completed and it is hoped that experimental methods of cutting will start next winter.

Mapping timber application areas from aerial photographs at a scale of 1 to 15,840 was continued. Applications dealt with totalled 527, amounting to 884,360 acres.



Loading Pulpwood, Camp 1, North Western Pulp and Power Co., Hinton.



Unloading Pulpwood at Hinton Pulp Mill.



The temporary cutting control plans previously prepared were approved and a report in summary form was sent to the field offices for implementation.

Work continued during the year on obtaining a more detailed inventory. Five of the eleven management units in the Slave Lake forestry division were field examined by four seven-man parties during the summer months. Nearly 6,000 plots were measured to obtain detailed information on forest conditions, such as growth, site, age class distribution and yield for various sub-types. During the winter months nearly 1,000,000 acres of these units were typed in detail from vertical aerial photographs at 1,320 feet to 1 inch.

In order to have a suitable large scale base (1 to 15,840) to prepare forest cover maps for the above work, 2,000 square miles of base mapping was completed at the above scale.

#### FOREST INVENTORY

The initial over-all broad provincial inventory is now complete. Forest cover maps at scales of 1 to 40,000, 1 to 63,360, 1 to 126,720 and 1 to 253,440 are available. Also available are statistical data of volume and area in map sheet units of 15' of latitude and 30' of longitude (approximately 330 square miles on the average) for all the Crown owned forested areas of the province with the exception of Indian reserves, national parks, and that area under the jurisdiction of the East Slope Forest Conservation Board. The data are set up on I.B.M. punch cards. This system of recording makes it possible to obtain information in any desired combination of the original data or any combination of the above map sheets.

The work is well advanced on the preparation of a composite map of the province showing the forest cover in broad classes by a combination of colors and symbols in accordance with a standard legend. It is proposed to have this map lithographed and copies at suitable scales made available to the public, but the main purpose of this map is for use in protection planning.

Maintenance of the inventory was continued by keeping up to date records of current major changes in forest cover through cutting and fire losses. In conjunction with the mapping and compiling of 1956 fires, over 2,600 photographs were taken and 926,000 acres mapped and timber losses calculated. This does not include fires under 160 acres in area. Current timber cutting is also being recorded on I.B.M. punch cards. A continuous record of approximately 600 separate timber operations are being kept. New operations are constantly coming while old ones are dropping out but the average is as quoted above.

#### RADIO

Plans have been completed and work started on the conversion of the first few portable SPF sets purchased to a more sensitive and later type of tube. The modification will roughly double the battery life of





Radio Operator—receiving fire message.

each set. These sets are being withdrawn from portable service and used as standby equipment.

The policy of overhauling gasoline electric plants at the Edmonton service depot is proving much more practical than field overhauls and is to be continued.

Lightning protection is being provided for all new towers and is in the process of being installed on the older towers.

The Forestry Radio Repair Depot was moved in January from the west end to larger premises on 120th street which provides suitable storage facilities and a larger work shop area. A screened room is also included to aid the technicians in carrying out accurate tests on sensitive radio equipment. A stockman was hired to assist with the storage of stock and the keeping of stock and shipping records.

At Peace River a remote receiver site was obtained and a thoroughly insulated receiver house erected there. A dry battery-operated receiver provides reception free of man-made interference. During the winter, the building is heated by a single propane lamp which develops about three thousand BTU's and keeps the inside temperature above freezing.

A remote operated receiver was installed at Whitecourt in February for operation on 1616 kilocycles. The improved ratio of signal to noise has improved communication in the division.

New equipment placed in service in the N. A. F. D. includes twenty medium frequency portables, seven gas electric power plants and six low power transmitter receiver units. Thirteen towers were equipped for radio operation. Installation work and maintenance has been provided for two stations operated by the Department of Public Welfare at Northern Metis Colonies.

In the East Slope area new equipment consisted of one FM radio equipped tower and ten Handie Talkie radiophones. The Handie Talkies have two transmit channels per unit. All previous single frequency Handie Talkies have been modified to provide transmission on two frequencies, the work being done by the Calgary staff.

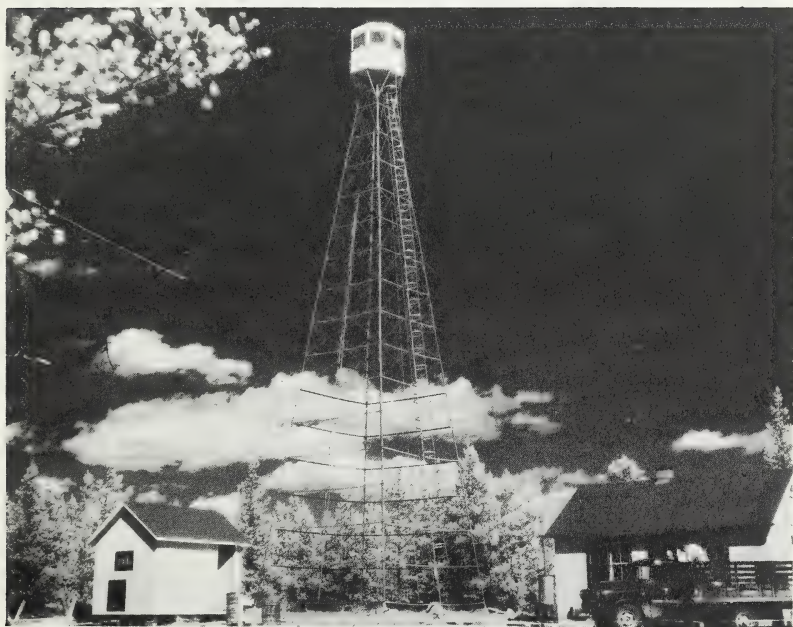
A remote control unit is being built for the Alder Flats station. The unit will be housed in the ranger station and will control the FM radio installed in the lookout tower. Communication will then be provided the year round with Rocky Mountain House, Breton and local portables.

A first helicopter trip was made by the radio staff to service equipment at a tower. The elapsed time for the trip was one afternoon. Earlier in the year the same trip was made by pack horses and the elapsed time was six days.

There was an increase in the amount of traffic handled compared to previous years.



Unloading Jeep from barge on way to Thickwood Hills Tower Road from McMurray.  
Stern of freighter canoe in foreground Athabasca River at McMurray.



Simonette Lookout Tower.

## FIRE SUPPRESSION

During the fire season of 1956 a total of 258 fires were dealt with as shown below in classes:

57	Class "A" or small fires (less than 1/4 of an acre)	
43	Class "B" fires (over 1/4 up to 10 acres)	
40	Class "C" fires (over 10 acres up to 100 acres)	
48	Class "D" fires (over 100 acres to 500 acres)	
70	Class "E" fires (over 500 acres)	

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RAILWAY FIRE LOSSES, CALENDAR YEAR 1956

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CAUSES AND NUMBER OF FIRES:

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## Railway Causes -

Locomotives	1
Employees	2
Total	3

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KNOWN CAUSES OTHER THAN RAILWAY:

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Other Known Causes	Total	3
Grand Total		6

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NUMBER OF ACRES BURNED:

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Slashing or Old Burn	2.22
Timber Land	10.00
Young Growth	13.00
Non-forested	8.00
Total	33.22

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LOSS:

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Timber	\$	100.00
Young Growth		19.50
Forest Products		Nil
Other Property		2,750.00
Total	\$	2,869.50

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COMPARISON OF FIRE CAUSES BY PERCENTAGES  
FOR THE YEARS 1945 TO 1956 INCLUSIVE

CAUSE	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Campers	18.7	14.9	15.5	29.9	21.4	23.8	16.7	25.0	40.0	36.5	14.7	14.4
Smokers	8.8	5.5	6.6	12.5	9.6	10.1	23.8	9.4	10.0	11.8	9.9	12.0
Settlers	15.1	10.5	7.4	10.9	23.6	14.9	19.0	12.5	10.7	17.6	21.9	24.0
Railways	12.0	21.1	32.8	15.2	8.9	10.9	10.7	17.7	11.4	3.5	6.0	1.2
Lightning	6.0	4.4	4.1	3.8	6.8	8.9	8.3	3.1	5.0	5.9	15.1	17.8
Industrial												
Operations	3.5	9.5	4.9	8.7	3.5	4.0	6.0	7.8	2.9	7.1	6.0	5.0
Incendiary	6.0	2.9	4.1	2.7	7.3	8.0	8.3	12.0	12.9	1.2	13.8	12.0
Public Works	0.4	—	—	—	1.6	1.2	—	—	0.7	4.7	1.8	1.9
Unclassified	13.4	6.9	0.8	0.6	3.9	6.9	6.0	4.2	2.2	2.3	3.5	4.7
Unknown	16.1	24.3	23.8	15.7	13.4	11.3	1.2	8.3	4.2	9.4	7.3	7.0

COMPARISON OF FIRE LOSSES AND CAUSES  
BY PERCENTAGES FOR THE YEAR 1956

	Number of Fires	Merchantable Timber Losses Acres	Total Acreage Burned
	%	%	%
Campers	14.4	1.4	6.1
Smokers	12.0	48.5	20.4
Settlers	24.0	13.1	28.6
Railways	1.2	Nil	Nil
Lightning	17.8	13.2	23.1
Lumbering	5.0	17.8	9.1
Incendiary	12.0	1.3	6.4
Public Works	1.9	Nil	Nil
Unclassified	4.7	0.2	0.6
Unknown	7.0	4.5	5.7

SUMMARY SHOWING TOTAL NUMBER OF FIRES AND BURNT OVER AREAS  
FROM 1945 TO 1956 INCLUSIVE

YEAR	TOTAL FIRES	NON- FORESTED	FORESTED	TOTAL AREA	SUPPRESSION COSTS
	No.	Acres	Acres	Acres	\$
1945	284	128,264	88,473	216,737	64,002
1946	275	179,731	92,552	272,283	54,129
1947	122	46,895	33,166	80,061	19,876
1948	184	195,491	107,726	303,217	90,904
1949	314	552,185	908,862	1,461,047	248,635
1950	248	233,509	472,178	705,687	336,304
1951	84	13,303	10,565	23,868	25,092
1952	192	184,905	299,424	484,329	70,443
1953	140	137,275	196,826	334,101	188,202
1954	85	71,008	57,869	128,877	77,453
1955	232	76,716	124,578	201,294	165,906
1956	258	116,679	577,801	694,480	657,092
Totals	2,418	1,935,961	2,970,020	4,905,981	1,998,038



## ANNUAL SUMMARY OF FOREST FIRE LOSSES

## FIRES WITHIN FOREST RESERVES

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							LANDS AFFECTED							LOSS				SUPPRESSION COSTS				
CAUSE	NUMBER OF FIRES						OWNERSHIP		AREA	CONDITION				TIMBER (MERCHANTABLE AND CUT-OVER)		Loss of Timber	Loss of Young Growth	Loss of Other Property	Total Loss	Ranger Service	Other Expenditure	Total
	CLASS						Public	Private	Total	Merchantable Timber	Cut-over Timber	Young Growth	Not Forested	UNSALVABLE								
	A	B	C	D	E	Total								Saw-Timber	Other							
							Acres	Acres	Acres	Acres	Acres	Acres	Acres	M. Ft. B. M.	Cords	\$	\$	\$	\$	\$	\$	\$
Campers	—	1	—	—	—	1	8	—	8	8	—	—	—	12	68	184	—	2,000	2,184	68	273	341
Smokers	—	1	—	—	—	1	1	1	2	—	—	—	2	—	—	—	—	2,750	2,750	59	25	84
Settlers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Railways	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lightning	8	1	1	1	—	11	314	—	314	191	—	123	—	348	3,665	7,766	943	—	8,709	784	6,904	7,688
Lumbering	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	10	—	10
Incendiary	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Public Works	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unclassified	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unknown	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTALS	9	3	1	1		14	323	1	324	199		123	2	360	3,733	7,950	943	4,750	13,643	921	7,202	8,123

## FIRES OUTSIDE FOREST RESERVES

Campers	11	10	7	2	6	36	40,415	2,140	42,555	4,374	142	30,675	7,364	8,362	72,684	110,378	173,996	—	284,374	1,655	38,889	40,544
Smokers	11	6	3	4	6	30	140,412	908	141,320	94,474	10,933	30,718	5,195	179,950	2,002,894	3,846,124	266,199	14,950	4,127,273	1,695	122,007	123,702
Settlers	6	2	6	19	29	62	149,922	48,543	198,465	73,817	6,069	62,646	55,933	39,668	1,210,542	1,036,444	172,229	96	1,208,769	4,479	130,163	134,642
Railways	—	1	2	—	—	3	28	3	31	10	—	13	8	—	200	100	20	—	120	32	132	164
Lightning	5	6	12	7	5	35	159,489	—	159,489	29,373	460	120,976	8,680	70,356	533,920	1,042,321	230,525	10,000	1,282,846	4,880	185,039	189,919
Lumbering	3	2	3	2	2	12	63,217	300	63,517	39,014	6,971	7,777	9,755	49,549	882,288	1,411,290	41,786	31,600	1,484,676	1,656	80,621	82,277
Incendiary	4	2	5	7	13	31	32,494	12,114	44,608	5,496	—	24,570	14,542	4,292	117,762	101,605	48,133	2,185	151,923	1,748	17,291	19,039
Public Works	1	4	—	—	—	5	16	—	16	4	—	11	1	3	68	151	94	—	245	250	1,034	1,284
Unclassified	4	4	—	2	2	12	3,977	310	4,287	751	118	2,796	622	389	12,809	15,432	4,554	30,000	49,986	576	11,981	12,557
Unknown	3	3	1	4	7	18	34,073	5,795	39,868	23,349	—	1,942	14,577	19,880	404,751	354,162	9,249	—	363,411	1,824	43,017	44,841
TOTALS	48	40	39	47	70	244	624,043	70,113	694,156	270,662	24,693	282,124	116,677	372,449	5,237,918	7,918,007	946,785	88,831	8,953,623	18,795	630,174	648,969

## FIRES WITHIN AND WITHOUT FOREST RESERVES

Campers	11	11	7	2	6	37	40,423	2,140	42,563	4,382	142	30,675	7,364	8,374	72,752	110,562	173,996	2,000	286,558	1,723	39,162	40,885
Smokers	11	7	3	4	6	31	140,413	909	141,322	94,474	10,933	30,718	5,197	179,950	2,002,894	3,846,124	266,199	17,700	4,130,023	1,754	122,032	123,786
Settlers	6	2	6	19	29	62	149,922	48,543	198,465	73,817	6,069	62,646	55,933	39,668	1,210,542	1,036,444	172,229	96	1,208,769	4,479	130,163	134,642
Railways	—	1	2	—	—	3	28	3	31	10	—	13	8	—	200	100	20	—	120	32	132	164
Lightning	13	7	13	8	5	46	159,803	—	159,803	29,564	460	121,099	8,680	70,704	537,585	1,050,087	231,468	10,000	1,291,555	5,664	191,943	197,607
Lumbering	4	2	3	2	2	13	63,217	300	63,517	39,014	6,971	7,777	9,755	49,549	882,288	1,411,290	41,786	31,600	1,484,676	1,666	80,621	82,287
Incendiary	4	2	5	7	13	31	32,494	12,114	44,608	5,496	—	24,570	14,542	4,292	117,762	101,605	48,133	2,185	151,923	1,748	17,291	19,039
Public Works	1	4	—	—	—	5	16	—	16	4	—	11	1	3	68	151	94	—	245	250	1,034	1,284
Unclassified	4	4	—	2	2	12	3,977	310	4,287	751	118	2,796	622	389	12,809	15,432	4,554	30,000	49,986	576	11,981	12,557
Unknown	3	3	1	4	7	18	34,073	5,795	39,868	23,349	—	1,942	14,577	19,880	404,751	354,162	9,249	—	363,411	1,824	43,017	44,841
TOTALS	57	43	40	48	70	258	624,366	70,114	694,480	270,861	24,693	282,247	116,679	372,809	5,241,651	7,925,957	947,728	93,581	8,967,266	19,716	637,376	657,092

## SUMMARY BY DIVISIONS

Forest Protection Area	44	38	39	47	70	238	624,042	70,103	694,145	270,661	24,683	282,124	116,677	372,449	5,237,918	7,918,007	946,785	88,831	8,953,623	18,728	630,093	648,821
Outside Reserves	4	2	—	—	—	6	1	10	11	1	10	—	—	—	—	—	—	—	—	67	81	148
Clearwater	4	1	1	1	—	7	313	1	314	189	—	123	2	333	3,662	7,670	943	2,750	11,363	758	6,772	7,530
Bow River	5	2	—	—	—	7	10	—	10	10	—	—	—	27	71	280	—	2,000	2,280	163	430	593
Crowsnest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTALS	57	43	40	48	70	258	624,366	70,114	694,480	270,861	24,693	282,247	116,679	372,809	5,241,651	7,925,957	947,728	93,581	8,967,266	19,716	637,376	657,092

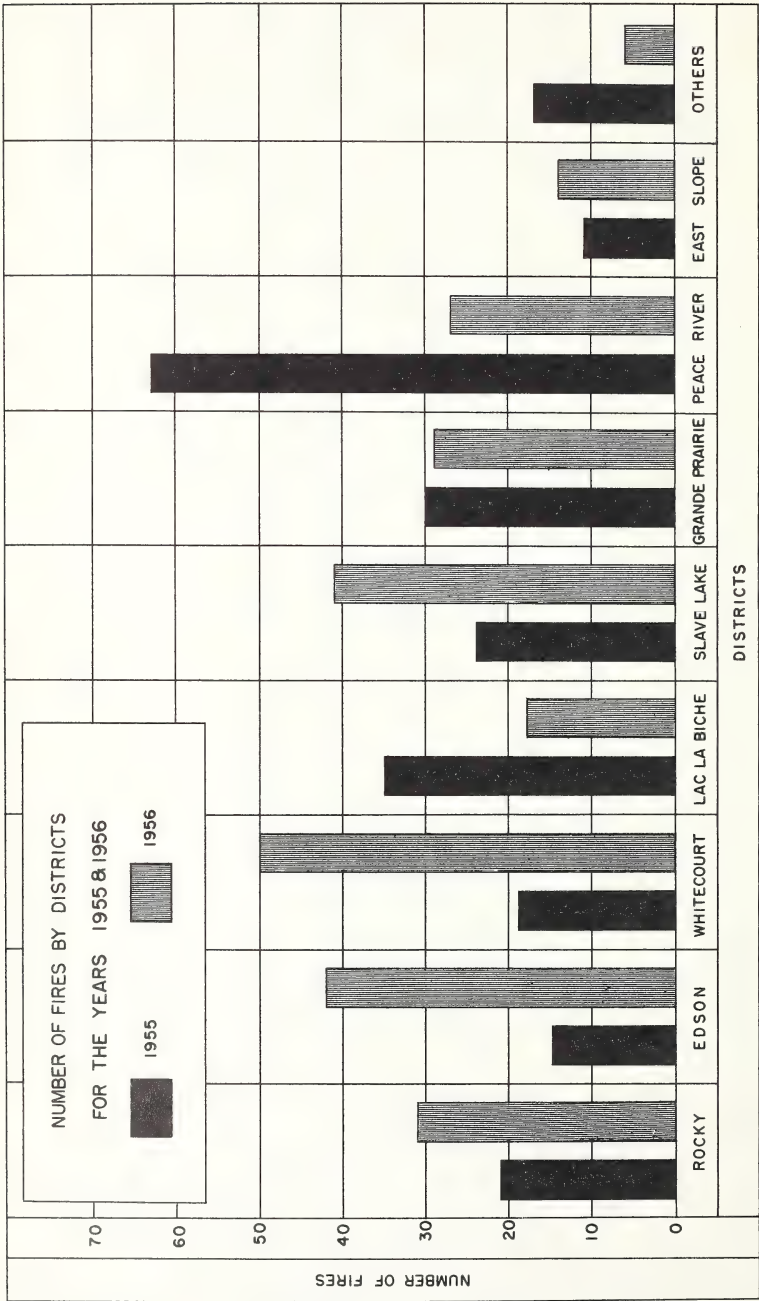


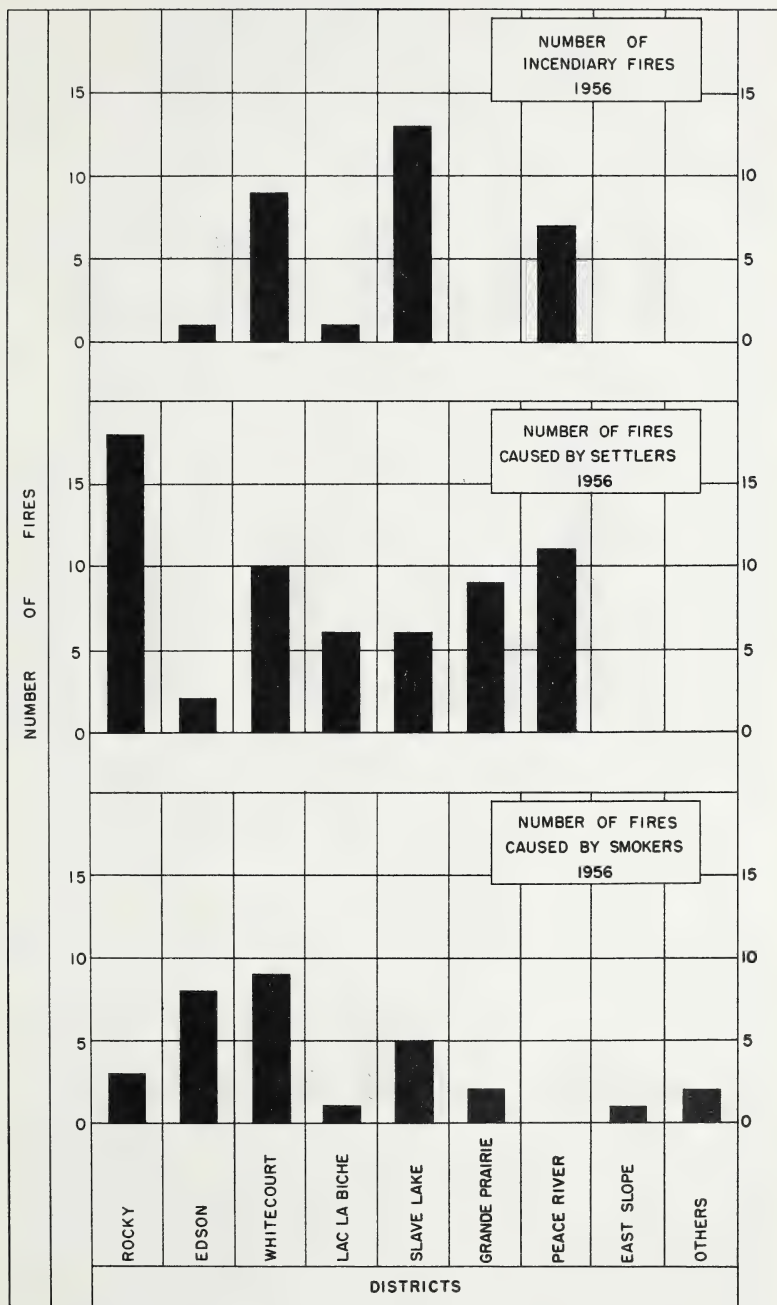
## ANNUAL STATEMENT OF FIRES BY CAUSES, MONTHLY DISTRIBUTION, ETC.

## FORESTRY

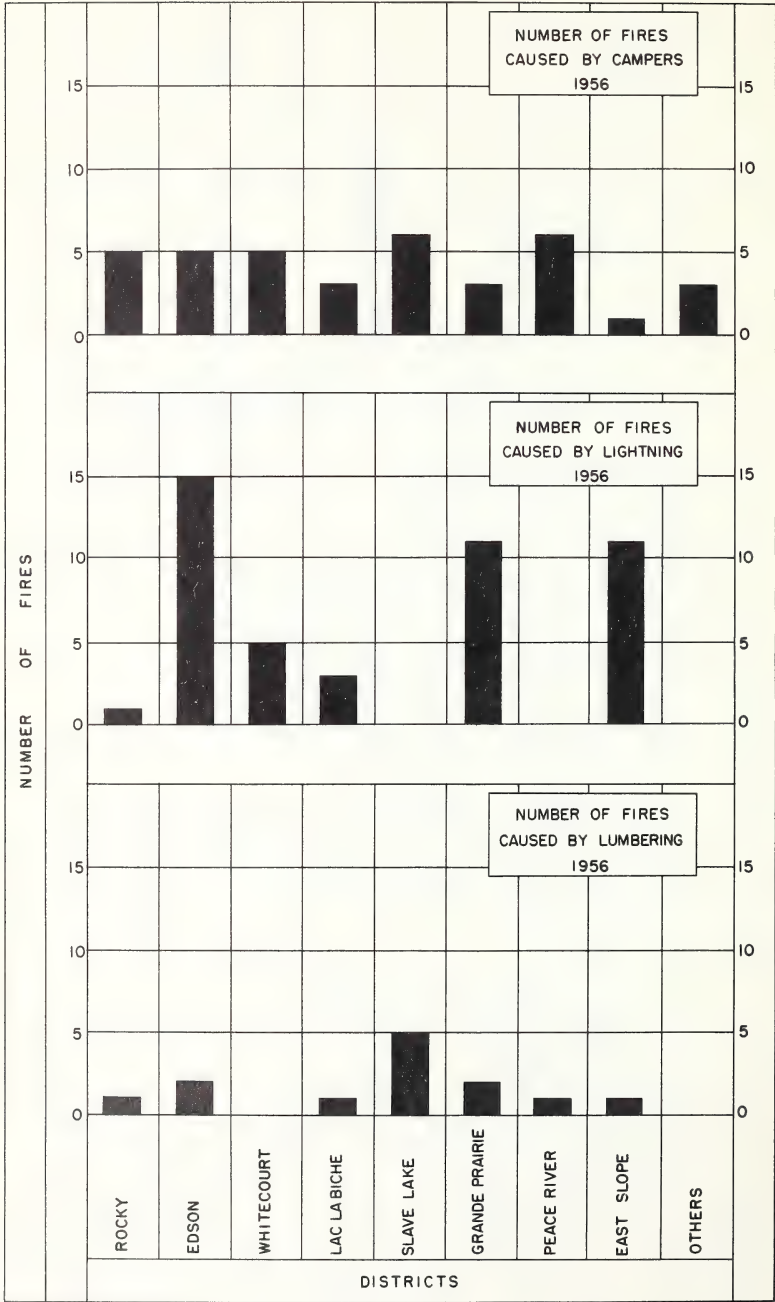
41

Inside & Outside Forest Reserves - Calendar Year 1956																										
CAUSE		NUMBER						MONTHLY DISTRIBUTION												Fires Inside Forest Reserves		Fires Outside Forest Reserves				
		A	B	C	D	E	Total	P.C.	Damage \$	Area Acres	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	No.	Area Acres	No.	Area Acres
Camp-fires	11	11	7	2	6	37	14.4	286,558	42,563	1	—	—	—	3	18	4	1	—	1	3	4	2	1	8	36	42,555
Smokers	11	7	3	4	6	31	12.0	4,130,023	141,322	—	—	—	—	2	18	3	5	—	—	2	1	—	1	2	30	141,320
Settlers	6	2	6	19	29	62	24.0	1,208,769	198,465	—	—	—	—	—	58	3	1	—	—	—	—	—	—	—	62	198,465
Railways	—	1	2	—	—	3	1.2	120	31	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	3	31
Lightning	13	7	13	8	5	46	17.8	1,291,555	159,803	—	—	—	—	—	6	10	26	4	—	—	—	—	11	314	35	159,489
Lumbering	4	2	3	2	2	13	5.0	1,484,676	63,517	—	—	—	—	—	9	—	2	—	—	1	—	1	—	—	12	63,517
Incendiary	4	2	5	7	13	31	12.0	151,923	44,608	—	—	—	—	1	26	3	1	—	—	—	—	—	—	—	31	44,608
Public Works	1	4	—	—	—	5	1.9	245	16	—	—	1	—	2	—	—	1	1	—	—	—	—	—	—	5	16
Unclassified	4	4	—	2	2	12	4.7	49,986	4,287	—	—	—	—	1	7	2	—	1	—	1	—	—	—	—	12	4,287
Unknown	3	3	1	4	7	18	7.0	363,411	39,868	—	—	—	—	1	14	2	—	—	—	—	1	—	—	—	18	39,868
TOTALS	57	43	40	48	70	258	—	8,967,266	694,480	1	—	1	8	161	27	37	6	1	7	6	3	14	324	244	694,156	
Per Cent.	22	17	15	19	27		100		.4	.4		.4	3	62	11	14	2.3	.4	3	2.3	1.2	5		95		









## MISCELLANEOUS TIMBER PERMITS

FISCAL YEAR 1956 - 1957

Number of Permits	2,994
Fuelwood (cords)	11,027
Lumber (F. B. M.)	20,857,454
Pulpwood (cords)	35,009
Round timber for Mines, Fencing, Corrals, Building Logs, etc. (lineal feet)	5,102,475
Shingles	24,444
Timber Seizures	115
Custom Sawmill Permits (number)	148
Radio Messages (Permit clearances)	642

## TIMBER OPERATIONS ON PUBLIC LANDS

FISCAL YEAR 1956 - 1957

	Timber Berths and Special Permits
Number of Active Operations	1,071
Fuelwood (cords)	564
Lath (pieces)	1,615,950
Lumber (F. B. M.)	366,143,923
Mine Ties (pieces)	35,470
Poles and Piling (lineal feet)	1,602,321
Pulpwood (cords)	153,125
Plywood Logs - Poplar (F. B. M.)	3,792,829
Railway Ties (pieces)	1,785,466
Round Timber (lineal feet)	3,562,530
Plugwood (cords)	61

## SUMMARY OF TIMBER OPERATIONS ON PUBLIC LANDS

FISCAL YEAR 1956 - 1957

	Timber Berths and Special Permits	Other Permits	Total
Number of Active Operations	1,071	2,994	4,065
Fuelwood (cords)	564	11,027	11,591
Lath (pieces)	1,615,950		1,615,950
Lumber (F. B. M.)	366,143,923	20,857,454	387,001,377
Mine Ties (pieces)	35,470		35,470
Poles and Piling (lineal feet)	1,602,321		1,602,321
Pulpwood (cords)	153,125	35,009	188,134
Plywood Logs, Poplar (F. B. M.)	3,792,829		3,792,829
Railway Ties (pieces)	1,785,466		1,785,466
Round Timber (lineal feet)	3,562,530	5,102,475	8,665,005
Shingles		24,444	24,444
Plugwood (cords)	61		61
Timber Seizures			115
Custom Sawmill Permits (number)			148
Radio Messages (permit clearances)			642

## IMPROVEMENTS - STATEMENT OF MAN - DAYS WORKED BY FORESTRY PERSONNEL - FISCAL YEAR 1956 - 57

## FOREST PROTECTION BRANCH

	Houses and Cottages	Garages and Sheds	Fences	Lookout Sites	Water Supply Systems	Barns and Stables	Telephone Lines	Corrals	Bridges	Grounds	Trails	Cabins	Tourist Stoves	Access Roads	Radio	Miscellaneous	TOTAL
New Construction	406.5	416	104	604.5	10	18	14.5	—	31	34	160	324	—	882.5	24	88.5	3,117.5
Maintenance	178	108	272.5	63	6	13	411	—	1.5	46.5	291.5	294	—	315.5	2	121.5	2,124

## MODE OF TRANSPORTATION AND MILEAGE TRAVELLED BY FORESTRY PERSONNEL

## FISCAL YEAR 1956 - 57

DIVISIONS	FOOT	HORSE	SPEEDER	AUTO	BOAT	PLANE	RAILWAY	BUS	OTHERS	TOTALS
Forest Protection Branch	28,169	17,273	4,865	963,937	7,449	25,068	13,160	235	14,874	1,075,030
Radio	600	—	—	59,000	—	—	3,000	—	—	62,600
TOTALS	28,769	17,273	4,865	1,022,937	7,449	25,068	16,160	235	14,874	1,137,630

## SUMMARY OF THE YEAR'S OPERATIONS, 1956 - 57

## LOOKOUT STATIONS

	Engine Time	Gas	Oil	Messages	Words
	hrs.	gals.	qts.	No.	No.
Alder Flats	1,969	492	38	—	—
Athabasca	441	133	9 1/2	974	19,145
Bald Mountain	395	85	9	220	3,625
Battle River	458	101	10	213	3,415
Brazeau	309	76	6	643	12,098
Buffalo	198	32	3	19	521
Carrot Creek	575	140	11	317	5,111
Clear Hills	459	124	13 1/2	236	4,019
Conklin	338	92	10	229	3,423
Copton	Windcharger				
Cowpar	131	26	2	7	193
Doucette	678	150	12	378	6,845
Economy Creek	573	137	12	254	4,483
Goose Mountain	414	101	11	866	18,536
Heart Lake	478	106	8	261	4,376
Kakwa	447	90	12	196	3,101
Lovett	388	135	14	332	5,202
Mayberne	443	106	10	103	1,720
Naylor Hills	511	122	8	209	3,287
Nose Mountain	50	13	2	217	4,605
Notikewin	30	6	2	—	—
Pass Creek	Windcharger				
Pelican	535	100	7	183	2,823
Pimple	Windcharger				
Puskwaskau	470	111	12	278	5,283
Round Hill	539	171	10	252	3,732
Salt Prairie	397	104	6	344	6,066
Sand River	30	6	2	—	—
Simonette	559	165	7	231	3,531
Snuff Mountain	443	125	32	236	4,115
Stony	434	95	8	248	4,251
Swan Dive	Windcharger				
Sweathouse	335	77 1/2	4	231	4,269
Thickwood Hills	69	15	2	—	—
Tony Creek	220	39	9	250	3,967
Whitecourt	431	93	11	2,277	58,622
White Mountain	341	69	7 1/2	267	4,646
Whitemud	773	161	16 1/2	759	19,368
Wolf	50	11	1	215	3,479
Yellowhead	Installed after close of fire season				
TOTAL	14,911	3,609 1/2	338	12,321	241,406

## HEADQUARTER STATIONS

Calgary	8,810	206,055
Edmonton	15,564	396,378
Edson	3,238	74,605
Grande Prairie	4,286	99,732
Lac La Biche	3,451	79,929
Peace River	2,376	65,826
Slave Lake	2,019	54,336
Whitecourt	5,058	130,858
TOTAL	44,802	1,107,719
GRAND TOTAL	57,123	1,349,125

## **Fish and Game Administration**

### **REPORT OF THE FISH AND GAME COMMISSIONER**

**E. S. HUESTIS**

Active public participation in the sports of hunting and fishing continued to increase throughout the province during the fiscal year under review. The commercial production of whitefish reached a record high with close to 3,700,000 pounds being marketed. A slight decline is recorded in the amount of wild fur marketed. This is coupled with a continued moderate devaluation in prices paid for major fur items.

Tabulations of permit and license sales provide excellent indices of the extent of Fish and Game Branch service requirements at this time. Bird game permit sales have more than tripled in the past ten years. Big game hunting has increased in roughly the same proportion, more recently. Angling permit sales have reached the hundred thousand mark and indicate that participation has quadrupled during the same period. In each case sales are again in excess of last year. As indicated by these trends expanded services by the Fish and Game Branch were required.

One fisheries biologist, two fish and game field officers, and one field office stenographer were added to the permanent staff.

Fish hatchery rolling stock was augmented by the addition of oxygen dispersal equipment.

The pheasant hatchery vehicle was replaced with a heavy duty truck, capable of handling larger loads.

The policy of the branch to build a complete supply of field-based equipment was continued by the addition of boats and outboard motors to several points. Field staff also received instruction and equipment that enabled them to aid in research programs during winter months.

A mobile 110-volt field generator was constructed and used by research staff for trout stream population counts. The unit consists of a gasoline motor and generator mounted on a carriage. Two electrodes are connected to the generator by 75 yards of wire. The operation consists of immersing the electrodes in the water area, while current is being generated. Fish within the electrified field are stunned, captured and impounded. Normally, quick recovery is made by specimens and they may be returned to the water unharmed after examination. Electrodes may be moved from point to point manually.

Six members of the Fish and Game staff attended the Department's training school at Kananaskis where they received specialized instruction in several phases of their work. Senior staff members attended research and conservation meetings at Toronto and in South Dakota.

Commercial production of all fish was slightly in excess of the past two seasons. Whitefish recorded a new high and tullibee continued to



supply the demands of the fur farm industry at a fairly uniform rate.

Domestic consumption of whitefish maintained its rise of the previous year, remaining at over 40% of the total catch.

Resident angling reflected the rise noted in license sales. Many Alberta streams are now so crowded on weekends as to discourage the confirmed outdoor enthusiast. With this in mind the successful management of small "pothole" lakes by stocking and other means becomes an increasingly important measure of fisheries conservation. A noticeable trend is evident among sport fishermen to turn to these waters for productive recreation, and the Branch has shown similarly increased interest toward maintaining these waters as attractive fisheries. A new trout stocking policy for lakes was formulated and is being made effective in field operation. A method of fish population control was tested at one prominent Southern Alberta trout lake.

The collection of dissolved oxygen data from lakes during winter is an important feature of fisheries research and management. From the information obtained, Branch staff may assess the relative merits of newly discovered waters and those already stocked. The ability of waters to support fish over winter months must be known whenever stocking programs and other management procedures are being prepared. This work was expanded to include more of the important trout fisheries. On three lakes in the vicinity of Edmonton complete winter analyses of dissolved oxygen levels were made using bi-weekly samples. Winter-kill is indicated for a number of trout lakes again this year.

In spite of the multiple management requirements that are now appearing through utilization of formerly barren waters, many anglers are being happily accommodated at this stage of exploitation. To date, stocking of newly discovered waters has maintained a good supply of trout for the creel, while some of the earlier planted lakes have tapered off in production. Biological surveys indicate an early termination to new discoveries, at least in the accessible field. Hence, intensive management procedures for established fisheries may be expected to become a greater part of the work in the future.

Trout stocking for the season was somewhat less than satisfactory. High losses among hatchery stocks at Calgary during the preceding fiscal year were reflected by the increased number of very small trout that had to be used for stocking during the season under review. Remnants of stricken trout that were also used for stocking are not expected to add appreciably to the waters served with them. However, the actual stocking procedure was carried out relatively unimpeded, with an assist from some reasonable weather accompanied by good roads.

Raven Rearing Station produced trout of high quality and good return. These served to a small degree, to offset losses sustained at the hatchery. A survey was conducted to indicate the possibility of draining and reclaiming a small tract of land adjacent to the present rearing ponds.

The biological research station at Gorge Creek completed its seventh

year of spring and summer operation. The station is an important aid to the Fish and Game Branch and is sustained jointly by the Department and the University of Alberta. Some further assistance was recently provided through a Canadian Industries Limited fellowship.

Four undergraduate students staffed the station during the past season. Studies were continued on the competition between wild and hatchery-reared trout. A system of fish blood sampling was tested and used to determine the degree of exhaustion in trout by measuring their lactic acid production. Further study was continued on stream trout "home territory" influence. Investigation of the movements and habits of Rocky Mountain whitefish was initiated. Studies of habits and behavior of Big Horn sheep and blue grouse were continued.

Samples of native trout and char were prepared and shipped to interested research parties in Michigan and Quebec. Rocky Mountain sheep blood samples were provided to the Rowett Institute, Aberdeen, Scotland, and the Royal Canadian Mounted Police crime detection laboratory in Regina.

A permanent structure was established at the station during the summer of 1956. This consists of a one-room frame building on concrete footings. It has added materially to comfort and efficiency at the station, being used chiefly as a combined work room, kitchen, dining room and discussion centre.

As in past seasons supervision of activities at Gorge Station was provided jointly by University staff and Departmental biologists.

Hunting returns were generally lower than for the previous fiscal year. While aerial and ground surveys indicated that continued harvesting of both birds and animals was desirable in all areas, a warm, dry and windy autumn prevented hunters from reaching satisfactory quotas in many localities. Post-season surveys disclosed relatively high populations remaining on many "shot-over" lands.

The most significant decline in hunting success occurred in the Camrose pheasant area where winter-kill of 1955-56 had drastically reduced the numbers of birds available. The 1956 harvest of cock birds was estimated to be about 15% of the 1955 harvest in the Camrose district. In Brooks-Bassano irrigation district hunting pressure doubled that of the 1955 season. The increased pressure, coupled with warm, dry and windy weather, required bird hunters to spend more time in the field to realize a moderate degree of success. In spite of this an estimated 32,000 cock pheasants were harvested from the Eastern Irrigation District during the first week of the 1956 season.

Following a period of six years' closure an eight day antelope season was offered the hunter during November, 1956, in a specified area of Southern Alberta. The herd size, evaluated by pre-season surveys, was such as to demand explicit restrictions upon the extent of harvest. Further need for restriction was invoked by the relatively small area involved. As a result a limited number of hunting permits were issued. As anticipated, hunter success was of high ratio (about 85%) and it is es-

estimated that 22.7% of the total population was harvested. An estimated total of approximately 1,800 animals were taken. Complete post-season investigations indicate that the final harvest was exceptionally close to the recommended herd reduction.

The 1956 big game season incorporated further multiple zoning for moose, elk and deer as the Branch increased the scope of detailed game management procedures. In an area the size of the Province of Alberta, having its wide variety of climate, soil and terrain, intensive game management may only be obtained by treating type zones individually.

Checking stations which operated at several points throughout the big game area supplied information provided by hunters contacted. Their reports indicated an overall drop in return to the hunter, attributed largely to the warm, dry weather prevailing throughout the big game season. The deletion of December hunting from the 1956 season also accounted in part for the lower return.

The forest reserve area formerly known as the Kananaskis Game Preserve was opened to hunting in the year under review.

New Legislation affecting the hunting of Rocky Mountain sheep was enforced. A separate sheep and goat license for residents was issued, the price being \$10.00. Sheep hunting was limited to male animals bearing horns of at least "three-quarter curl".

Biologists and others continued to report on field game conditions. Among the more important measures taken was the establishment of range management exclosure plots in big game areas. Intensive pheasant surveys were continued on chosen study areas and more casual investigation applied to the larger upland bird zones. The search for habitat suitable to the establishment of new pheasant populations was furthered. Big game aerial tabulations were resumed over much of the forested lands during the winter.

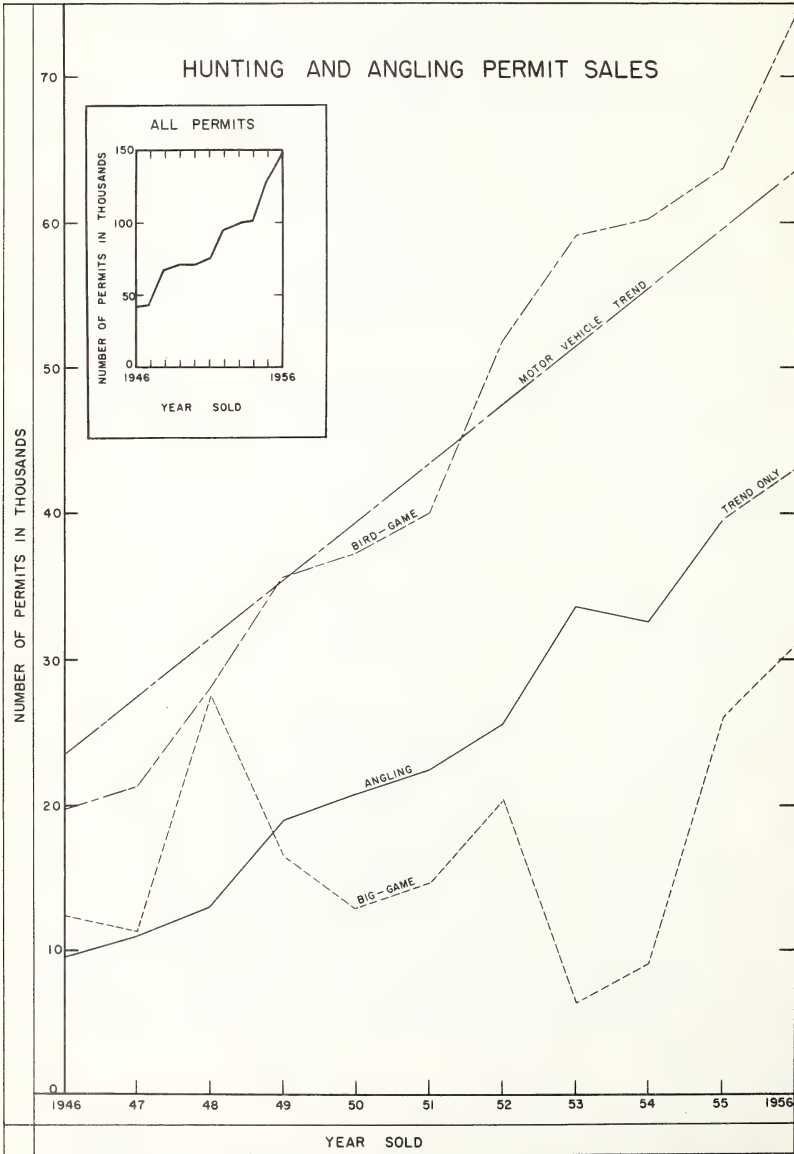
The Brooks game bird farm operated at capacity again. Pheasant releases were accomplished in chosen locations to a total of 4,313 birds. Some improvements, in the form of additions, were completed at the game bird farm dwelling.

Greater utilization of trapping privileges in the Province could be realized by the registered trapper. However, a continued decline in fur prices, coupled with higher wages for other work, has discouraged some trappers from full scale operations.

The number of beaver pelts appearing on the market continued to hold in line with the sharp rise accomplished two seasons earlier. Muskrat pelts, however, have not significantly recovered from their reduction of the previous year. Squirrel pelts remained in slight decline.

Reports from all field staff indicated that carnivore predation has not shown any serious increase since abatement of the rabies control system. Studies of avian predation were augmented by the development of a magpie control technique in a specified area of the Province.

The Fish and Game Branch wishes to express appreciation for the continued co-operation received from Royal Canadian Mounted Police detachments throughout the Province. Their assistance with enforcement, prosecution and roadside checking is highly valued. Gratitude is also extended to the Forest Service for enforcement duties accomplished in forest reserves and elsewhere. The added influx in recent years by hunters and fishermen to the forested areas of the Province has demanded increased vigilance by those responsible for forest administration.



## GAME

## COMPARISON OF THE NUMBER OF GAME LICENSES ISSUED

Kind	1953	1954	1955	1956
Resident Bird Game Licenses	58,188	59,281	63,220	72,518
Non-Resident (Canadian) Bird Game Licenses	365	298	396	406
Non-Resident (Non-Canadian) Bird Game Licenses	557	582	863	1,048
Resident Big Game Licenses	6,198	8,747	24,858	27,650
Non-Resident (Canadian) Big Game Licenses	4	4	13	10
Non-Resident (Non-Canadian) Big Game Licenses	78	95	131	159

## GAME LICENSES

April 1st, 1956 to March 31st, 1957.

Kind	Number of Licenses	Fee	Total Amount
Residents' Bird Game Licenses	72,518	\$ 2.50	\$ 181,295.00
Non-Residents' (Canadian) Bird Game	406	5.00	2,030.00
Non-Residents' (Non-Canadian) Bird Game	1,048	25.00	26,200.00
Residents' Big Game Licenses	27,650	5.00	138,250.00
Non-Residents' (Canadian) Big Game Licenses	10	50.00	500.00
Non-Residents' (Non-Canadian) Big Game Licenses	159	100.00	15,900.00
Permit to Collect	20	FREE	
Taxidermists' Licenses	15	5.00	75.00
Residents' Special	280	5.00	1,400.00
Non-Residents' Special	103	25.00	2,575.00
Guide's Licenses (Class "A" & "B")	200	2.50	500.00
Guide's Licenses (Class "C")	6	1.00	6.00
Game Farms	17	5.00	85.00
Game Farms	2	FREE	
Outfitter's Licenses	40	25.00	1,000.00
Fur Farms	1	10.00	10.00
Resident Trapper's Licenses	2,891	3.00	8,673.00
Dog Trainers	3	Various	11.00
Residents' Spring Bear	180	5.00	900.00
Non-Residents' Spring Bear	8	25.00	200.00
Residents' Antelope Licenses	2,295	5.00	11,475.00
Residents' Sheep and Goat Licenses	615	10.00	6,150.00

## BOUNTY ON COUGARS - SEASON 1956-57

Cougars killed from April 1st, 1956 to March 31st, 1957.

25 Cougars at \$15.00	\$ 375.00
5 Cougars at \$40.00	200.00

## LICENSED ALBERTA FUR FARMS



## DEPARTMENT OF LANDS AND FORESTS

## ALBERTA FUR PRODUCTION - SEASON 1956-57

## (WILD FUR)

	Total Number of Pelts	Average Value of Pelts	Total Value of Pelts
Badger	9	\$ .50	\$ 4.50
Beaver	26,914	9.22	248,147.08
Coyote	1,383	1.50	2,074.50
Ermine	66,777	1.00	66,777.00
Fisher	196	16.30	3,194.80
Blue Fox	9	4.00	36.00
Cross Fox	34	1.10	37.40
Red Fox	39	.65	25.35
Silver Fox	60	3.20	192.00
White Fox	99	17.50	1,732.50
Lynx	1,729	11.57	20,004.53
Marten	175	7.70	1,347.50
Mink	2,931	16.60	48,654.60
Muskrats	389,668	.80	311,734.40
Otter	96	22.00	2,112.00
Jack Rabbits	8,939	.46	4,111.94
Skunk	38	.63	23.94
Squirrel	614,812	.48	295,109.76
Wolverine	8	15.35	122.80
Timber Wolves	21	2.00	42.00
Total	1,113,937		\$ 1,005,484.60

## CONVICTIONS UNDER THE GAME ACT 1956-57.

Number of Convictions \_\_\_\_\_ 254

## CONFISCATED FURS

Amount realized from the sale of confiscated fur during the period  
 April 1st, 1956 to March 31st, 1957 \_\_\_\_\_ \$ 716.60

## TRAP-LINE REGISTRATIONS

Number of Registered Trap-Lines and Revenue  
 April 1st, 1956 to March 31st, 1957

2,353 at \$10.00 \_\_\_\_\_ \$ 23,530.00  
 94 at \$20.00 \_\_\_\_\_ 1,880.00

## FUR DEALERS' LICENSES, ETC.

Kind	Number	Revenue
Resident Fur Dealer's Licenses to carry on business in a city, and elsewhere than in a city _____	220	\$ 2,200.00
Non-Resident Fur Dealer's Licenses to carry on business in the Province _____	2	200.00
Resident Travelling Fur Purchasing Agent's Licenses _____	10	250.00
Furrier's Licenses _____	22	220.00
Tanner's Licenses _____	4	40.00

## FUR TAX REVENUE

Amount Collected \_\_\_\_\_ \$ 81,776.11

## MUSKRATS AND BEAVER

Muskrat Permits issued free \_\_\_\_\_ 96  
 Muskrats reported taken \_\_\_\_\_ 2,485  
 Beaver Permits issued free (Damage to Farmers' Land,  
 Roads and Irrigation) \_\_\_\_\_ 187  
 Beaver reported taken \_\_\_\_\_ 494  
 Beaver Permits issued (On Registered Trap-Lines) \_\_\_\_\_ 1,531  
 Beaver reported taken (On Registered Trap-Lines) \_\_\_\_\_ 10,724

## ESTIMATED TOTAL HARVESTS BY SPECIES 1953 - 56

Species	<u>Bird Game</u>			
	1953	1954	1955	1956
Mallard	511,360	559,000	630,000	538,000
Pintail	136,430	164,400	159,000	144,000
Other Species	184,590	183,300	210,200	222,500
Canada goose	25,070	25,000	29,400	30,100
Snow goose	10,340	13,200	12,400	15,500
Other Species	38,160	5,300	5,700	6,500
Pheasant	122,560	143,200	182,400	131,330
Sharptailed grouse	57,000	46,400	53,900	51,700
Ruffed grouse	44,130	25,100	36,000	36,900
Hungarian partridge	140,500	116,600	134,900	77,400
Other species	1,060	130	—	680
Total	1,271,200	1,281,630	1,453,900	1,254,610

## FISH

## LICENSES AND PERMITS

Kind	1952-53	1953-54	1954-55	1955-56	1956-57
	No.	No.	No.	No.	No.
Angling Permits (Season)	23,270	30,842	29,979	36,472	100,883
Angling Permits (Limited)	2,318	2,935	2,709	3,103	
Domestic Licenses	139	108	179	137	159
Fisherman's Licenses	5,159	5,129	5,764	5,365	6,352
Commercial Licenses	280	366	398	250	156
Fish Dealer's Licenses	93	84	125	124	142
Motor Boat Licenses	32	39	44	39	74
Total	31,291	39,503	39,198	45,490	107,766

## COMMERCIAL PRODUCTION OF FISH

Species	1952-53	1953-54	1954-55	1955-56	1956-57
	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
Whitefish	3,113,007	3,161,001	3,471,372	3,614,007	3,689,193
Trout	10,886	6,268	35,410	15,906	17,214
Pike	475,485	503,349	394,796	426,683	460,915
Pickereel	142,446	407,648	718,696	618,440	195,251
Perch	192,775	150,544	217,220	119,232	43,363
Tullibee	5,703,285	5,970,966	3,991,690	3,753,209	4,074,803
Mixed Fish	297,932	660,563	392,542	537,489	915,302
Total	9,935,816	10,860,339	9,221,726	9,084,966	9,396,041

	Weight	Value to Fishermen	Value as Marketed
	Lbs.	\$	\$
Totals for year 1952-53	9,935,816	629,847.60	899,720.32
Totals for year 1953-54	10,860,339	699,150.16	1,205,969.04
Totals for year 1954-55	9,221,726	720,447.94	1,199,871.23
Totals for year 1955-56	9,084,966	751,574.96	1,291,567.86
Totals for year 1956-57	9,396,041	794,648.83	1,289,254.68

## FISH EXPORTED FROM ALBERTA 1956-57

Species	Canadian Markets	United States Markets
	Lbs.	Lbs.
Whitefish	171,457	2,057,855
Pickereel	302	121,870
Pike	1,557	42,575
Perch		31,821
Trout	37	5,400
Tullibee		66,418
Ling	8	
Total	173,361	2,325,939

	1955-56	1956-57
Prosecutions	147	171
Confiscations	74	99

## STOCKING TO ANGLING WATERS 1956

Species	Number
Cutthroat Trout	450
Eastern Brook Trout	42,352
Loch Leven Trout	59,520
Rainbow Trout	1,179,435
Lake Trout	49,875
Perch	297,976
Pickerel	5,025,000
Pike	3,972
Total	6,658,580

PRELIMINARY BIOLOGICAL SURVEYS AND  
EXAMINATIONS MADE DURING 1956

## GRANDE PRAIRIE DISTRICT

Cutbank Lake (72-8-W. 6)  
 Bear Lake (72-8-W. 6)  
 Big Mountain Creek (Wapiti River)  
 Cutbank River (Smoky River)  
 Impoundments (Two)

## EDSON DISTRICT

Bigoray Creek (Pembina River)

## ENTWISTLE DISTRICT

Unnamed Lake (10-52-2-W. 5)  
 Grandview Lake (14 & 15-52-2-W. 5)  
 Soldan Lake (19-53-1-W. 5)

## EDMONTON DISTRICT

Burke Lake (2-52-22-W. 4)

## VERMILION DISTRICT

Chauvin Lake - Lake #1 (43-1-W. 4)  
                             Lake #2 (42-1-W. 4)  
                             Lake #3 (43-1-W. 4)  
 Moses Lake (26-51-12-W. 4)  
 Karen Lake (6-53-12-W. 4)  
 Guglyk's Lake (34-51-12-W. 4)



## RED DEER DISTRICT

Ainslie Pond (39-36-23-W. 4)  
Young's Lake (20-35-23-W. 4)  
Lee's Pond (8-36-23-W. 4)  
Rowley's (Starland) Dam (26-32-21-W. 4)

## HANNA DISTRICT

Boelke Lake (31-35-15-W. 4)  
Coyote Lake (34-17-W. 4)  
C.N.R. Reservoir (Dobson)

## CALGARY WEST DISTRICT

Ghost River Reservoir

## LETHBRIDGE DISTRICT

Swanson Dams (21 & 28-1-16-W. 4)  
Hulit Reservoir (1-3-16-W. 4)

## PINCHER CREEK DISTRICT

Hastings Pond (36-4-1-W. 5)  
MacDonald Lake (7-2-W. 5)  
Prairie Bluff Lake (4-1-W. 5)

## PEACE RIVER DRAINAGE (Survey of Fishes)

Henderson Creek  
Ksituan River  
Pouce Coupe River  
Spirit River  
Hines Creek  
Montagneuse River  
Smoky River  
Simonette River  
Latarnelle River  
Economy Creek  
Wapiti River  
Big Mountain Creek  
Pinto Creek  
Nose Creek  
Narroway River  
Beaverlodge River  
Beavertail Creek  
Red Willow Creek  
Cutbank River

## Technical Division

### *Report of the Director of the Technical Division*

T. W. DALKIN

For the fifth consecutive year the area of lands patented continues to increase after a general decline since the year 1939.

This year, legal descriptions were prepared for 576 notifications covering an area of 125,186.692 acres, more or less, for which certificates of title were issued in the Land Titles Offices. During the previous year 622 notifications were issued covering an area of 117,135.075 acres, more or less.

It will be noted that while the number of notifications issued was some 46 less than last year, the area patented increased by 8,051.617 acres, more or less. This was due to a large increase in the area patented for school land sales, homestead sales and special grants. As is the usual case, the notifications for homesteads top the list.

Hereunder is a schedule of the various notifications issued for the present fiscal year ending March 31st, 1957.

#### NOTIFICATIONS ISSUED DURING THE FISCAL YEAR

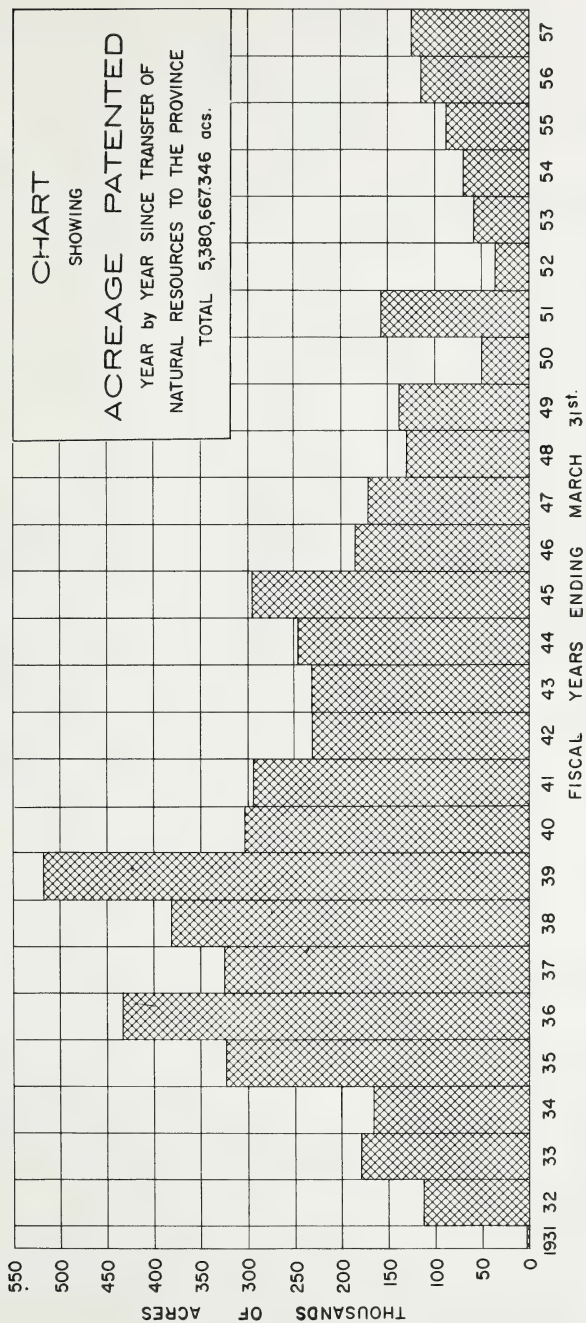
April 1st, 1956 to March 31st, 1957

(Surface rights only)

Classification	Notifications No.	Area Acres
Homesteads	269	61,114.492
Sales (including lots in subdivisions)	108	7,432.730
School land sales (including lots in subdivisions)	90	14,303.740
Homestead sales	77	18,677.990
Exchanges of land	10	3,087.400
Special grants	14	19,272.370
Release of habendum clauses	6	14.970
Transfer of administration and control	2	1,283.000
Total	576	125,186.692

#### NUMBER OF SALES IN SUBDIVISIONS WHICH ARE INCLUDED IN THE 108 NOTIFICATIONS REFERRED TO ABOVE

Subdivision	Notifications	No. of Lots	No. of Blocks
Canmore, 1095 F	33	50	14
Peace River Landing, 5617 B.K.	1	3	1
Jarvie, 1308 C.L.	1	2	1
Ghost River, 6490 E.L.	1	4	1
Seven Persons, 1143 A.C.	1	6	2
Total	37	65	19



SUBDIVISION INCLUDED IN THE 90 NOTIFICATIONS  
ISSUED UNDER SCHOOL LAND SALES

Willingdon, 1329 H. W.	10	11	2
Total	10	11	2

Area not stated in these 47 notifications	— 37 sales
	10 school land sales
	47

Total No. of notifications in which area stated 529

Total No. of notifications 576

### LAND SETTLEMENT SURVEYS

This division has been engaged during the past seven years in a program of surveys for settlement purposes in the Blueberry Mountain area and it is a pleasure to report that at the end of the past survey season the program in this area has to all intents and purposes been completed and is comfortably ahead of settlement requirements. Various surveys were completed for homestead lands on which tenants had completed sufficient duties to apply for notification for title. Surveys were also carried out in Northwestern Alberta and particulars of these surveys are as follows:

#### Clear Prairie and Gordondale Areas

<u>Location</u>	<u>Number of Sections Surveyed</u>
Township 87, Range 6, West 6th Meridian	11
Township 86, Range 9, West 6th Meridian	36
Township 87, Range 9, West 6th Meridian	1.5
Township 86, Range 10, West 6th Meridian	36
Township 87, Range 10, West 6th Meridian	1.5
Township 79, Range 11, West 6th Meridian	7
Township 80, Range 11, West 6th Meridian	36
	129 = 3 7/12 townships

Ten books and eight township plans of final returns of surveys, and 25 township plans showing elevations of bench marks were compiled and forwarded as records to the Director of Surveys.

### MISCELLANEOUS SURVEYS AND INSPECTIONS

Due to the increased interest in commercial and recreational properties bordering on lakes, etc., various miscellaneous surveys and inspections were undertaken to provide lots, etc., for building sites and to prepare plans. Brief details are as follows:

### Lodgepole Townsite

67 lots were surveyed and a composite plan prepared showing all surveys of this townsite.

### Sturgeon Lake Subdivision

A subdivision survey was made on the north shore of Sturgeon Lake for cottage sites and 49 lots were made available.

### Hinton Administration Site

Land required for an administration site by the Forestry Branch was surveyed at Hinton and a plan compiled and drawn by the Division was forwarded to the Land Titles Office for registration.

### Edmonton Beach

The shoreline of Spring Lake in the East half and South West quarter of Section 30, Township 52, Range 1, West of the 5th Meridian was traversed and a plan registered in the Land Titles Office in order that the Province could obtain title to the land covered by the waters of this Lake.

### Whitecourt Checking Station

The checking station site, required by the Forestry Branch, on the Whitecourt-Valleyview Highway west of the Town of Whitecourt, was surveyed.

### Harvie Heights

A survey was undertaken for a nuisance ground as an addition to the plan of Harvie Heights Subdivision.

### Buck Lake

Levels were run along the creek and the Department of Public Works' ditch adjacent to Block 10 in the South West quarter of Section 11, Township 46, Range 6, West of the 5th Meridian.

### Wabamun Lake Provincial Park

A reconnaissance and inspection were made of the lands in the west half of Section 7, Township 53, Range 3, West of the 5th Meridian and a survey was made of the beach and parking areas.

### Lake Miquelon Provincial Park

In Legal Subdivisions 3 and 6 of Section 20, Township 49, Range 20, West of the 4th Meridian a resurvey of the 1894 traverse was carried out in order to delimit the north boundary of patented land.



Beauvais Lake Provincial Park

Provincial Park Grazing Lease No. 19769 located in the North East quarter of Section 29, Township 5, Range 1, West of the 5th Meridian, was surveyed to re-establish the boundaries.

Cross Lake Provincial Park

Sections 25 and 36, Township 65, Range 26, West of the 4th Meridian were inspected for the suitability of land for picnic and play grounds.

Vermilion River Provincial Park

A subdivision survey was made of the lands in the north half of Section 31, Township 50, Range 6, West of the 4th Meridian comprising 10 lots in Block 1 and 9 lots in Block 2. Sites were located for picnic and band shelters, pier, storage building and baseball ground.

Jackfish Lake, Island No. 3

A reconnaissance and inspection were made of this island in the south west quarter of Section 16, Township 52, Range 2, West of the 5th Meridian with the intention of having same surveyed for lease purposes.

## RESTORATION SURVEYS

The restoration survey season commenced on May 23rd with inspections in the Rocky Mountain House area and later in the area east of Peace River Town in Township 84, Ranges 17 to 19 inclusive, West of the 5th Meridian. At the conclusion of these inspections, arrangements were made to commence the inspection of the 22nd base line between Range 24, West of the 4th Meridian and Range 19, West of the 5th Meridian with the use of pack horses. Inspections continued with the use of horses on the 22nd base line and in Townships 75 and 76, Ranges 7 to 11 inclusive, West of the 5th Meridian until the first week in August at which time our contract for the use of the pack outfit was terminated. Several other small inspection tours were made in other areas of suspected damage. However, no further large inspections were undertaken due to the early onset of winter.

During the season the inspection party consisted of three men split into two groups, one man spot-checking various areas for destruction while the other two men thoroughly inspected all areas of known destruction. Approximately two and one-half months of the summer were spent with pack horses in the areas described in preceding paragraphs. During the summer approximately 200 miles of survey line was inspected with the use of this pack outfit.

The restoration survey party commenced operations in early June and worked in several areas of the province, namely Rocky Mountain House, Grande Prairie, Peace River and East Peace River.

During this period 389 survey monuments were restored affecting some 50 different townships. Restoration plans of these surveys were compiled and forwarded to the Director of Surveys.

Very fine weather prevailed throughout most of the season except during late July and early August when a prolonged wet spell made travel extremely difficult.

After an extensive investigation into the activities of various companies working in the townships restored, accounts were sent to the following companies in the amounts listed:

Tennessee Gas Transmission Company	192.94
Texaco Exploration Company	320.01
Stanolind Oil and Gas Company	279.51
Accurate Explorations Limited	306.52
Texaco Exploration Company	142.41
Southern Production Co. Inc.	285.94
Texaco Exploration Company	158.29
Mobil Oil of Canada Limited	75.00
The British American Oil Company	1,713.78
Texaco Exploration Company	78.18
Hudson's Bay Oil and Gas Company	78.18
British American Oil Company (Canadian Gulf Oil Company)	6,470.73
Shell Oil Company	706.70
Pan American Petroleum Corporation	973.50
Imperial Oil Limited	184.78
Texaco Exploration Company	2,754.50
<hr/>	
Total	\$ 14,720.97

Our records show that over the past five years 2,348 survey monuments have been restored and a total of \$111,433.57 collected from various oil companies for the restoration of these monuments.

It is very gratifying to report that through the increased co-operation received by this office from the various oil companies working in the field, reports received of damage to survey monuments were negligible during the fiscal year. It would appear that the situation with respect to damage to survey monuments is now under control and with adequate supervision over geophysical activities, we are able to foresee an end to this restoration project in the not too distant future.

During the past two years the inspections and restoration surveys have been taking place in relatively remote areas of the Province and this will be the case again next year. Progress will naturally be slower and will be reflected in the number of monuments restored. However, all oil operators now seem to be very monument-conscious and it only remains for this division to catch up on old reports.

## BOUNDARY SURVEYS

Alberta-North West Territories Boundary:

A report of the Commission appointed to delimit the boundary between the Province of Alberta and the North West Territories was received in this office through the Alberta Boundary Commissioner, Mr. J.H. Holloway, D.L.S., A.L.S. This report was accompanied by an atlas which showed the location of monuments erected, roads and trails used, and distances in miles and chains, along the boundary between the 110 and the 120 parallels of longitude.

The receipt in this office of the Boundary Commissioner's report and atlas for the survey of the Alberta-North West Territories Boundary brings to a successful conclusion all surveys of the exterior boundaries of the Province of Alberta.

## PLANS OF SURVEY

A total of 374 plans were submitted for examination and filed in this Division so that rights of the applicants could be established on the Crown lands. Brief details are as follows:

- 156 - pipe line plans, filed
- 32 - transmission line plans, filed
- 22 - subdivision and parcel plans checked, in which there was no Crown land included.
- 5 - plans of access roads used by oil companies, filed
- 45 - plans of survey were checked, some of which bordered on lakes and rivers affecting Crown lands. The Crown land was purchased in order to permit the registration of plans in the Land Titles Office.
- 114 - plans of survey of roadways affecting Crown land were received. The usual reservations were entered in our records.

Titles Acquired in the Name of the Crown:

Titles to 3 Provincial Parks were acquired in the name of the Crown as follows:

- 1 - Wabamun Lake Provincial Park
- 2 - Steeveville Provincial Park
- 3 - Taber Provincial Park

Exchange of Lands:

Title in the name of the Crown was obtained in 10 cases involving exchange of privately-owned land for Crown land.

## AERIAL PHOTOGRAPHY

### Aerial Photographic Library:

A very substantial increase in the number of photographs upon scales of 3333' and 1320' were sold during the fiscal year. The total number of photographs sold on both scales amounted to 79,890 and this compares with 60,365 sold during the previous year. This now makes a grand total of 400,012 photographs sold since 1950.

Replacement photography received this year amounted to 180 line-miles, taken to replace a bad magazine in the original flying contract.

### Aerial Photographic Surveys Act

A total of fourteen licenses were issued this year, bringing to 89 the number of licenses issued since the negotiation of The Aerial Surveys Act in April 1951. Of the fourteen licenses issued, eight of these were for government projects.

### Photographic Enlargements

There was a substantial decrease in the number of enlargements turned out this year. A total of 567 enlargements were made as compared with 712 last year. A large majority of the 567 were for inter-departmental use.

### Mosaics

During the fiscal year 2705 square miles were mosaicked for various departments. This is a very large increase over last year when only 75 square miles were done. Some of the areas mosaicked are as follows:

The Bow River Development Project for the Department of Water Resources - 1620 square miles

The South Sheep River Area, Eastern Rockies Forest Conservation Board - 365 square miles

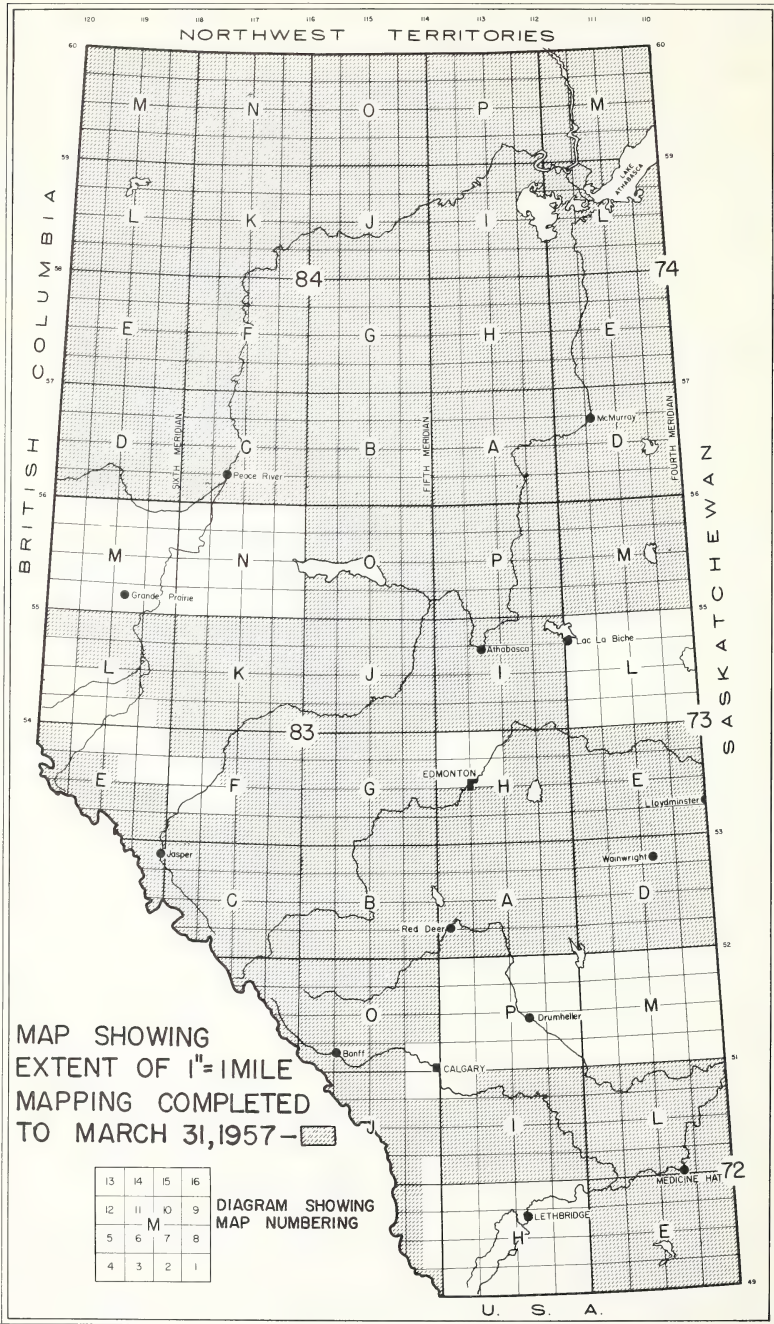
Townships 77 to 84 inclusive, Ranges 8 and 9, West of the 6th Meridian - Soil Surveys, University of Alberta - 576 square miles

### Contour Mapping

Five contour maps were completed this year, however, there is still a backlog to be done. Progress on contour maps is necessarily slow as the photography and ground control cannot be obtained during the winter months. The maps completed are as follows:

1. City of Wetaskiwin for the Town and Rural Planning Branch, Department of Municipal Affairs.
2. Section 8, Township 71, Range 23, West of the 5th Meridian for the Parks Board, Department of Lands and Forests.







3. Sections 19, 29, 30 and 32, Township 49, Range 26, West of the 5th Meridian for the Department of Lands and Forests.

The other two maps were for private concerns and were located in Townships 16 and 17, Ranges 5 and 6, West of the 5th Meridian and in Township 22, Ranges 3 and 4, West of the 4th Meridian.

## MAPPING

### Planimetric Mapping

The fairdrawings of 82 O/9, 15 and 16, 83 B/1, 2, 3, 6, 7 and 8 were completed during the year. The map areas 83 A/3 to 6 inclusive were completed in their entirety from the processing of photography to the final drawing on films and thence the photographic reduction to one inch equals one mile.

The processing of photography for map sheet areas 82 G/8, 9 and 16, 82 J/16 and 83 F/5, 6, 11 and 12 has been completed. The laydown and transcription of the data interpreted have been placed on the manuscripts awaiting final drawing.

The template laydown has been completed for the production of planimetric maps for areas 83 L/1 to 7 inclusive and 83 L/12, also 83 E/9, 10, 14, 15 and 16.

Up to date 650 planimetric maps of our Province have been completed and ozalid copies are available. 150 of these maps have been lithographed, in two and three colors, and are available to the general public. See map showing the extent of mapping completed up to March 31st, 1957.

### 16-Mile Map

The new sixteen-mile map of the Province was issued in the latter part of October, 1956. This issue is a reduction of the provincial eight-mile map and 4,000 copies were printed.

### Public Lands Sub-Agency Districts Map

A new map of the Peace River and Grande Prairie Sub-Agency Districts was published showing all pertinent information relative to these agencies and utilizing the eight-mile map of the province as a base. This map was issued in August, 1956 at a scale of one inch equals twelve miles and 4,000 copies were obtained from the printers.

### Map of Alberta - Open and Closed to Settlement

The heavy demand for this map still exists and a new map was published showing the boundaries of the yellow and green areas of the Province. 3,000 copies were printed.

Township Plans

Thirty-six township plans covering new and revised surveys were issued. These were prepared through the office of the Director of Surveys and cover the following lands:

Township	1,	Range 28,	West of the	4th Meridian	
"	24,	"	8,	" " " 5th	"
"	47,	"	8,	" " " 5th	"
"	23,	"	9,	" " " 5th	"
"	24,	"	9,	" " " 5th	"
"	47,	"	9,	" " " 5th	"
"	107,	"	12,	" " " 5th	"
"	79,	"	16,	" " " 5th	"
"	79,	"	17,	" " " 5th	"
"	79,	"	18,	" " " 5th	"
"	79,	"	19,	" " " 5th	"
"	79,	"	20,	" " " 5th	"
"	80,	"	17,	" " " 5th	"
"	80,	"	18,	" " " 5th	"
"	80,	"	20,	" " " 5th	"
"	101,	"	23,	" " " 5th	"
"	102,	"	23,	" " " 5th	"
"	73,	"	24,	" " " 5th	"
"	77,	"	24,	" " " 5th	"
"	73,	"	26,	" " " 5th	"
"	74,	"	26,	" " " 5th	"
"	74,	"	1,	" " " 6th	"
"	76,	"	1,	" " " 6th	"
"	76,	"	2,	" " " 6th	"
"	71,	"	6,	" " " 6th	"
"	83,	"	8,	" " " 6th	"
"	84,	"	8,	" " " 6th	"
"	83,	"	9,	" " " 6th	"
"	84,	"	9,	" " " 6th	"
"	79,	"	10,	" " " 6th	"
"	83,	"	10,	" " " 6th	"
"	85,	"	10,	" " " 6th	"
"	82,	"	11,	" " " 6th	"
"	85,	"	11,	" " " 6th	"
"	79,	"	12,	" " " 6th	"
"	82,	"	12,	" " " 6th	"

Map Sales

During the fiscal year map sales amounted to \$32,987.50.

Photostat and Ozalid Machines

The two photostat machines and the ozalid machine have been working at full capacity throughout the year in order to meet the requirements of this and other government departments.

This year can be regarded as a busy one within the Department as the work of this Division is closely interwoven with the Lands Division and the Forestry Division in the disposal of the natural resources. It can also be regarded as an interesting one in our relations with the officials of industry, surveyors, engineers and the general public. Apart from the problems that arise in connection with certificates of title, plans of survey, etc., the large volume of maps, plans and aerial photographs handled by the Division it has been a busy and interesting year.

Appreciation is expressed to the staff for rendering this service within the Department, to other Government Departments and the general public.

## Accounting Division

### REPORT OF THE ADMINISTRATIVE ACCOUNTANT, A. McCALLUM

#### REVENUE

During the year ending March 31, 1957, cash receipts (net) from all sources totalled \$7,550,658.72, an increase of \$518,797.86 over the previous year.

Total cash receipts (net) on Income Account amounted to \$6,151,202.44 being an increase of \$287,079.41 over the previous year.

Cash disbursements were \$4,535,719.71, leaving an amount of \$1,615,482.73 in receipts over disbursements. Main increases and decreases are as follows:

Account	Increase	Decrease
	\$	\$
Fishing Licenses _____	18,585.00	_____
Fisheries Royalty _____	2,121.38	_____
Game Licenses _____	34,958.12	_____
Fur Tax _____	_____	43,111.20
Grazing Leases, Permits, etc. _____	17,732.85	_____
Homestead Leases _____	57,679.04	_____
Public Land Sales - Interest _____	3,755.81	_____
Cultivation Leases, Permits, etc. _____	88,556.98	_____
Miscellaneous Leases _____	151,137.87	_____
Land Patent Miscellaneous _____	_____	20,285.63
Timber Fees, Dues, etc. _____	_____	109,754.43
School Lands Sales Interest _____	_____	2,384.97
School Land Leases, Permits, Berths, etc. _____	110,122.43	_____
East Slope Surface Rights _____	_____	24,060.71
Maps and Plans _____	_____	4,452.19
Restoration of Survey Monuments _____	_____	21,338.47
Administration Sundry Revenue _____	6,030.40	_____
Photographic Survey Maps _____	1,832.89	_____
Dominion-Provincial Agreement re: Forest Inventory _____	_____	9,597.84
Sale of Automobiles _____	11,091.18	_____
Government of Canada re: Forestry Tower Sites _____	22,401.57	_____
Miscellaneous _____	_____	3,940.67
Net Revenue Increase _____	_____	287,079.41
	\$ 526,005.52	\$ 526,005.52

For details of revenue from Income Account see Statement "B".

Refunds processed from all sources during the year totalled 5,291 amounting to \$864,753.15. Refunds to the taxing authority as provided by the "Grazing Lease Taxation Act", the "Crown Cultivation Leases Act", and the "Tax Recovery Act", totalled \$281,305.60.

NOTE: "The Crown Cultivation Leases Act, 1954" which came into force January 1, 1955, provides that land held under a crop share cultivation lease, shall be assessed as to value, and tax statements shall be sent to the Department by the municipality. The Minister may pay to the taxing authorities, the amount shown in the statement.

Funds held in trust as at March 31, 1957, amounted to \$1,144,611.80 made up as follows:

Timber Trust Deposits	\$ 1,063,583.94
Parks Board Trust	23,402.69
East Slope Road Tolls Trust	11,766.61
Homesteader's Compensation Trust	22,197.09
Miscellaneous Trust	23,661.47
	\$ 1,144,611.80

As at March 31, 1957, there were 20,722 active accounts receivable together with approximately 1,500 fish and game vendors' accounts.

Cash entries for the year totalled 57,926 for which receipts and permits issued 51,981.

Fish and game licenses sold during the year under review, show a marked increase over the previous year, being angling permits 100,883, game licenses 105,084.

#### EXPENDITURE

Total expenditure on income account for the year amounted to \$4,535,719.71 of which salaries accounted for \$1,931,579.14.

Advisory Board expenses were \$264.24.

Payment of bounties together with the crows and magpies campaign amounted to \$21,130.67.

Maintenance expenditure in the operation of the East Slope Forest Reserves totalled \$451,043.36.

Costs of fire suppression for the year under review were excessively high, being \$673,292.10.

Administration of the Fish and Game Branches amounted to \$450,068.75.



In accordance with the amendment to the "Crown Cultivation Leases Act" the amount of \$131,279.10 was disbursed as taxes to the taxing authority in respect to the assessed value of land held under a crop share cultivation lease.

The operation of the forestry training school for the year totalled \$7,803.34.

Provincial parks salaries and expenses amounted to \$138,863.42. In addition to this amount a further sum of \$18,650.95 was disbursed from trust funds.

For details of expenditure from income account see Statements "E" and "G".

The year just ended has been one of growth, expansion and reorganization. The Department's revenue continues to maintain a buoyant level, while expenditure has increased approximately 50% in the past five years. In keeping with this expansion the staff of the Accounts Branch has been kept constantly busy with a high degree of efficiency. The effort and spirit and cooperation of all members of the staff is once again greatly acknowledged.

#### INDEX OF STATEMENTS

- A. Statement of Receipts from all Sources.
- B. Statement of Receipts - Income Account.
- C. Statement of Receipts - Capital Account.
- D. Statement of Receipts - School Lands.
- E. Statement of Expenditure for the year ending March 31, 1957.
- F. Statement of Receipts by Branches.
- G. Statement of Disbursements by Branches.
- H. Alberta School Land Trust Fund.
- I. Alberta School Land Sales - Revenue Account.

Statement ASTATEMENT OF RECEIPTS FROM ALL SOURCESFrom April 1, 1956 to March 31, 1957

	Gross Receipts	Refunds	Net Receipts
	\$	\$	\$
Income account	6,422,163.14	270,960.70	6,151,202.44
Capital account	200,438.07	4,688.20	195,749.87
Reimbursement of previous year's expenditure	7,631.22	—————	7,631.22
School land trust fund	372,591.60	2,439.71	370,151.89
Timber deposit trust	835,453.75	348,334.00	487,119.75
Homesteader's compensation trust	11,074.98	231.05	10,843.93
Homestead lease loan fund trust	300.00	—————	300.00
East Slope road tolls trust	4,183.36	100.00	4,083.36
Parks Board trust	15,623.75	71.00	15,552.75
Miscellaneous trust	3,957.97	300.00	3,657.97
Unapplied receipts carried forward:			
Improvements	24,370.57	11,080.12	13,290.45
Suspense	347,623.46	226,548.37	121,075.09
Grazing lease fees and rental	45,000.00	—————	45,000.00
School land grazing permits	17,000.00	—————	17,000.00
Grazing permits and reserve permits	15,000.00	—————	15,000.00
Homestead lease crop share	80,000.00	—————	80,000.00
Cultivation crop share	3,000.00	—————	3,000.00
School Land cultivation crop share	10,000.00	—————	10,000.00
Total	\$ 8,415,411.87	\$ 864,753.15	\$ 7,550,658.72

Statement B

## STATEMENT OF RECEIPTS - INCOME ACCOUNT

From April 1, 1956 to March 31, 1957

	Gross Receipts	Refunds	Net Receipts
	\$	\$	\$
<b>FISHERIES ACCOUNT</b>			
Fishing licenses	129,494.25	395.55	129,098.70
Fisheries miscellaneous	423.30	—	423.30
Fisheries royalty	25,462.86	—	25,462.86
<b>Total</b>	<b>155,380.41</b>	<b>395.55</b>	<b>154,984.86</b>
<b>GAME ACCOUNT</b>			
Game licenses	405,020.98	2,912.03	402,108.95
Fur tax	83,763.39	1,967.28	81,796.11
Game Branch miscellaneous	1,116.40	84.30	1,032.10
<b>Total</b>	<b>489,900.77</b>	<b>4,963.61</b>	<b>484,937.16</b>
<b>LANDS AND GRAZING</b>			
Grazing leases, permits, etc.	354,077.14	59,220.34	294,856.80
Hay permits, fees, dues, etc.	3,561.60	863.75	2,697.85
Homestead leases, etc.	184,573.95	122,061.86	62,512.09
Public land sales interest	16,795.24	85.47	16,709.77
Cultivation leases, permits, etc.	174,254.85	3,646.12	170,608.73
Miscellaneous leases	318,260.19	11,204.91	307,055.28
Land patent miscellaneous	64,194.08	4,146.07	60,048.01
<b>Total</b>	<b>1,115,717.05</b>	<b>201,228.52</b>	<b>914,488.53</b>
<b>TIMBER</b>			
Timber fees, rent, dues, etc.	3,321,786.15	28,182.39	3,293,603.76
<b>SCHOOL LANDS</b>			
School land sales interest	59,591.97	—	59,591.97
School land leases, permits, berths, etc.	445,722.90	31,036.05	414,686.85
<b>Total</b>	<b>505,314.87</b>	<b>31,036.05</b>	<b>474,278.82</b>
<b>EAST SLOPE SURFACE RIGHTS REVENUE</b>			
	593,418.76	2,489.91	590,928.85
<b>MISCELLANEOUS</b>			
Maps, plans, etc.	32,987.50	—	32,987.50
Restoration of survey monuments	10,107.91	—	10,107.91
Administration sundry revenue	43,340.12	1,293.75	42,046.37
Photographic survey maps	43,373.14	68.30	43,304.84
Dominion-Provincial forestry agreement re: forest inventory	21,980.05	—	21,980.05
Sale of automobiles	13,096.45	1,302.62	11,793.83
Sale of equipment	300.00	—	300.00
Sale of materials and supplies	8.41	—	8.41
Canada-Provincial agreement re: Air Weapons Range - Primrose Lake	53,049.98	—	53,049.98
Dominion Government of Canada re: forestry tower sites	22,401.57	—	22,401.57
<b>Total</b>	<b>240,645.13</b>	<b>2,664.67</b>	<b>237,980.46</b>
<b>TOTAL INCOME ACCOUNT</b>	<b>\$ 6,422,163.14</b>	<b>\$ 270,960.70</b>	<b>\$ 6,151,202.44</b>
(Carried Forward to Statement A)			

Statement CSTATEMENT OF RECEIPTS - CAPITAL ACCOUNTFrom April 1, 1956 to March 31, 1957

	Gross Receipts	Refunds	Net Receipts
	\$	\$	\$
Land sales principal	153,934.39	4,592.46	149,341.93
Clearing and breaking crop share	26,322.68	95.74	26,226.94
Dominion-Provincial Forest Agreement re: forest inventory	20,181.00	—	20,181.00
Total	200,438.07	4,688.20	195,749.87

Statement DSTATEMENT OF RECEIPTS - SCHOOL LANDSFrom April 1, 1956 to March 31, 1957

	Gross Receipts	Refunds	Net Receipts
	\$	\$	\$
<u>INCOME ACCOUNT</u>			
School land sales interest	59,591.97	—	59,591.97
School land grazing leases, rental, etc.	47,819.55	17,202.86	30,616.69
School land hay permits, fees, dues, etc.	739.75	106.50	633.25
School land cultivation rent, fees, crop share, etc.	329,066.37	13,522.44	315,543.93
School land miscellaneous leases	21,674.42	138.00	21,536.42
School land timber fees, dues, etc.	45,863.69	45.25	45,818.44
School land miscellaneous revenue	559.12	21.00	538.12
Total	505,314.87	31,036.05	474,278.82





GOVERNMENT OF THE PROVINCE OF ALBERTA  
LANDS AND FORESTS DEPARTMENT  
EXPENDITURE CLASSIFIED BY APPROPRIATIONS AND CHARACTER  
FOR THE YEAR ENDED MARCH 31, 1957  
INCOME ACCOUNT

Service	1901 Minister's Office	1902 Deputy Minister's Office	1903 Accounts Branch	1904 Advisory Board	1905 Destruction of Pests	1906 Eastern Rockies Forest Conservation	1909 Forest Protection and Timber Operations	1910 Forest Inventory	1911 Forest and Prairie Fires Suppression Act	1912 Fish and Game Branch	1914 Lands Branch	1916 Radio Communications	1917 Technical Branch	1918 Registration Branch	1919 Postage	1920 Printing, Stationery and Office Supplies	1921 Forestry Training School	1922 Provincial Parks	Totals
Accountable advance .....	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$ 149.76	\$	\$	\$	\$	\$	\$	\$	\$	\$ 149.76
Advertising .....						1,185.47	2,150.75	13.50			4,346.10	311.31							8,007.13
Automobiles .....						14,974.08	47,304.51	9,296.72		23,417.33	5,736.46	8,986.66							109,715.76
Board .....						950.45	22,810.84	7,932.72		1,016.66							2,906.17		35,616.84
Books and binding .....		79.04				35.25	2,893.89	10.00		60.07	10.00		13.25				19.57		3,121.07
Bounties for destruction of pests .....					21,130.67														21,130.67
Buildings and sites .....							1,500.00												1,500.00
Cinema and photographic supplies .....						573.22	363.90	125.44		1,172.62			16,176.53	768.10					19,179.81
Clothing .....						2,887.67	4,333.11	61.10		4,070.00			40.80						11,392.68
Construction contracts .....						89.75	146,214.97			560.55									146,865.27
Equipment .....	1.89	142.61	473.87			2,719.86	122,048.27	1,496.69		13,206.91	2,031.10	21,847.87	5,928.02				1,340.39		171,237.48
Feed and seed .....						387.08	383.35	34.37		4,677.66	4,086.00		79.52						9,647.98
Fees and commissions .....		40.00					94.25			424.38	16.70	275.22							850.55
Freight, express and cartage .....		.60				1,184.87	8,173.61	73.88		2,087.19	964.71	908.52	512.35	40.90			23.35		13,969.98
Heating, lighting and power .....	64.04					11,017.43	12,917.06	10.00		2,640.93	299.94	2,344.07	19.70				314.20		29,627.37
Laundry and cleaning .....						74.44	14.50	115.50		55.20			81.48	2.45			51.95		395.52
Legal fees and expenses .....							39.85			101.30		1,980.92							2,122.07
Material .....						2,466.60					11,092.01								13,558.61
Miscellaneous expenses and supplies .....			11.70			1,121.93	10,046.22	514.93		7,499.18	3,352.52	3,347.15	1,305.21	38.03			219.94	121,560.40	149,017.21
Newspapers and periodicals .....	27.00	44.90				66.34	160.53	2.93		46.68	4.00	5.95	4.00	42.72			81.10		486.15
Postage .....	40.00					1,188.97	1,872.26			540.00	134.00	120.00		200.00	18,395.52				22,500.75
Printing, stationery and office supplies .....	117.19					1,075.55	146.45	28.57		6.22	15.63	15.26	16,883.72	1,807.97		48,326.24	137.35		68,582.78
Rates, rentals and insurance .....	59.40	22.63	60.30			8,700.26	37,764.10	7,227.73		4,148.28	158,152.57	1,803.49	16,530.69	835.20			186.80		235,545.43
Repairs and replacements .....	674.29	56.58	558.35			75,407.15	82,509.63	4,049.90		16,228.41	4,407.07	11,959.68	4,122.06	113.73			164.18		200,251.03
Salaries .....	12,068.20	35,495.51	123,231.82			249,446.56	664,161.40	78,784.36		225,132.36	251,770.05	58,519.18	136,176.62	79,490.06				17,303.02	1,931,579.14
Surveys .....													9,919.46						9,919.46
Telegrams and telephones .....	237.17	111.94	138.60			818.87	3,267.17	136.40		3,745.44	1,385.32	953.78	252.84	3.75			38.25		11,089.53
Travelling expenses .....	299.87	376.89	135.58	264.24		28,045.61	129,034.39	4,627.61		112,877.94	47,234.13	7,255.84	12,928.28	290.39			682.09		344,052.86
Wages .....						46,625.95	154,239.24	22,823.36	673,292.10	26,203.68	3,814.64	4,632.62	31,347.23				1,628.00		964,606.82
<b>TOTAL: Income Account .....</b>	<b>\$ 13,589.05</b>	<b>\$ 36,447.31</b>	<b>\$124,610.22</b>	<b>\$ 264.24</b>	<b>\$ 21,130.67</b>	<b>\$451,043.36</b>	<b>\$1,454,444.25</b>	<b>\$137,365.71</b>	<b>\$673,292.10</b>	<b>\$450,068.75</b>	<b>\$498,852.95</b>	<b>\$125,267.52</b>	<b>\$252,321.76</b>	<b>\$ 83,633.30</b>	<b>\$ 18,395.52</b>	<b>\$ 48,326.24</b>	<b>\$ 7,803.34</b>	<b>\$138,863.42</b>	<b>\$4,535,719.71</b>



Statement F

## STATEMENT OF RECEIPTS BY BRANCHES

From April 1, 1953 to March 31, 1957

	Fiscal Year Ending				
	March 31/53	March 31/54	March 31/55	March 31/56	March 31/57
	\$	\$	\$	\$	\$
<u>INCOME ACCOUNT</u>					
Fisheries Branch	98,183.39	109,925.93	124,930.16	134,637.77	154,984.86
Game Branch	371,949.93	335,309.28	335,433.89	494,215.37	484,937.16
Lands and Grazing Branch	663,717.82	526,377.95	513,378.25	615,969.01	914,488.53
Timber Branch	2,993,472.52	2,746,697.74	3,071,300.53	3,403,358.19	3,293,603.76
Unearned Increment Tax	311.05	64.05	—	—	—
School Lands	529,085.22	384,115.37	408,442.41	366,541.36	474,278.82
East Slope Surface Rights	467,939.53	353,579.52	496,059.42	614,989.56	590,928.85
Miscellaneous	126,843.19	254,231.06	197,133.94	234,411.77	237,980.46
<u>CAPITAL ACCOUNT</u>					
Land sales principal	89,631.29	154,789.63	201,357.37	170,966.68	149,341.93
Seed grain principal	187.50	146.41	—	—	—
Clearing and breaking projects, crop share	41,974.73	41,184.39	38,725.55	25,698.74	26,226.94
Reimbursement from Dominion Government re: forest inventory	132,974.92	95,770.62	72,323.06	23,092.22	20,181.00
Transferred to other Departments	3,183.91	1,097.50	2,079.72	2,694.37	7,631.22
School land trust fund	366,000.98	340,079.10	361,813.38	324,487.76	370,151.89
Timber deposits trust	—	362,172.82	354,442.70	296,930.88	487,119.75
Homesteader's compensation trust	1,235.31	2,864.00	4,113.80	7,528.40	10,843.93
Homestead lease loan fund trust	—	—	—	—	300.00
East Slope road tolls trust	1,290.64	4,808.79	2,589.52	3,502.88	4,083.36
Parks Board trust	17,854.55	16,445.32	13,842.23	15,673.90	15,552.75
Miscellaneous general trust	—	—	1,395.00	10,364.33	3,657.97
Unapplied receipts carried forward	356,400.88	398,000.00	320,253.88	286,797.67	304,365.54
Total	\$ 6,262,237.36	6,127,659.48	6,519,614.81	7,031,860.86	7,550,658.72

Statement G

## STATEMENT OF DISBURSEMENTS BY BRANCHES

From April 1, 1953 to March 31, 1957

	Fiscal Year Ending				
	March 31/53	March 31/54	March 31/55	March 31/56	March 31/57
	\$	\$	\$	\$	\$
INCOME:					
1901 Minister's Office	9,214.65	14,812.56	13,349.44	16,195.65	13,589.05
1902 Deputy Minister's Office	26,995.43	23,512.21	27,748.54	34,109.27	36,447.31
1903 Accounts Division	96,323.84	110,844.53	104,339.35	110,814.13	124,610.22
1904 Advisory Board	688.65	933.13	900.75	785.02	264.24
1905 Destruction of Pests	84,390.94	321,746.03	134,614.51	41,264.72	21,130.67
1906 Eastern Rockies Forest Conservation	240,715.73	261,430.22	314,820.04	347,687.51	451,043.36
1907 Fisheries Division	156,892.88	172,586.63	172,212.84	(Amalgamated with 1912)	
1909 Forest Protection & Timber Operations	642,686.46	807,312.07	1,064,926.68	1,192,469.20	1,454,444.25
1910 Forest Survey Division	55,511.74	90,396.64	117,791.85	146,601.53	137,365.71
1911 Forest and Prairie Fires Suppression Act	66,120.05	186,354.00	68,835.99	157,749.56	673,292.10
1912 Game Division (Fish and Game Branch 1955-56)	176,382.27	174,194.41	175,914.52	395,676.61	450,068.75
1913 Eastern Rockies Forest Conservation Board	63,349.37	62,011.11	63,734.22	104,886.82	(Amalgamated with 1906)
1914 Lands Division	244,509.90	257,614.84	306,964.93	431,571.15	498,852.95
1916 Radio Communications	84,414.01	121,797.41	122,692.15	114,367.52	125,267.52
1917 Technical Branch	340,549.73	312,274.48	397,213.79	318,670.69	252,321.76
1918 Registration Division	63,995.68	67,077.75	78,785.60	81,176.95	83,633.30
1919 Postage	12,501.85	12,636.27	15,121.72	16,642.18	18,395.52
1920 Printing, stationery & office supplies	32,227.84	42,439.49	38,916.01	38,853.12	48,326.24
1921 Forestry Training School	10,717.05	7,641.83	6,926.96	6,497.70	7,803.34
1922 Provincial Parks	102,028.62	91,433.76	91,117.39	101,467.48	138,863.42
SW 2-25/52-53 Cost of Survey of Department by Stevenson Kellogg Ltd.	8,297.96	—	—	—	—
SW 5-57/54-55 Amount required to pay claims of the Department of Citizenship and Immigration (Canada)	—	—	1,907.00	—	—
Total Income Account	\$ 2,518,514.65	3,139,049.37	3,318,834.28	3,657,486.81	4,535,719.71
CAPITAL:					
1980 Land settlement clearing & breaking	188,513.59	13,482.61	—	—	—
1982 Aerial photography & forest inventory	306,320.46	257,225.96	40,936.68	—	—
SW 11/53-54 Purchase of Hudson's Bay Co. lands situated within the Province	—	118,327.80	—	—	—
SW 74/55-56 Aerial photography and forest inventory	—	—	—	16,229.80	—
SW 5/55-56 Purchase of 4,514.92 acres of land from the Hudson's Bay Co.	—	—	—	15,692.00	—
Total Capital Account	\$ 494,834.05	\$ 389,036.37	\$ 40,936.68	\$ 31,921.80	—

Statement HALBERTA SCHOOL LAND TRUST FUNDBalance Sheet - March 31, 1957

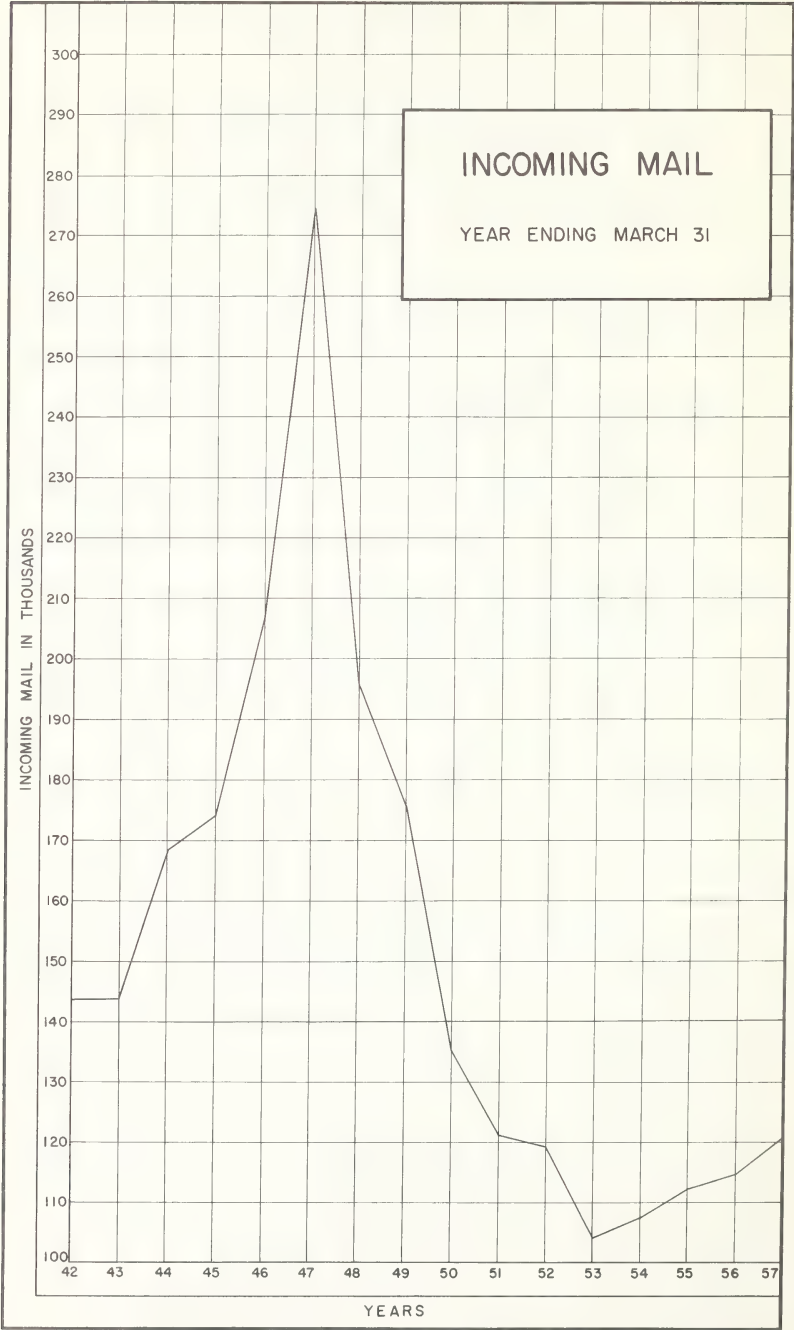
As at March 31, 1957 the fund amounted to \$16,080,043.97 made up as follows:

Cash_____	\$	70,274.98
Accounts receivable, collections not remitted_____		137,464.67
Investments: School districts' and school division debentures_____		14,287,488.93
Unpaid principal on school land sales:		
(a) Not due_____	\$	1,362,587.72
(b) Due or in arrears_____		221,872.98
		1,584,460.70
Sundry_____		5,248.87
Less earnings not transferred to general revenue at March 31, 1957		4,894.18 DR.
		<u>\$16,080,043.97</u>

Statement IALBERTA SCHOOL LAND SALES - REVENUE ACCOUNTFrom April 1, 1956 to March 31, 1957

Arrears interest as at March 31, 1956_____	\$	47,384.94
Interest charges_____		60,719.48
Interest revenue_____	\$	59,591.97
Interest written off (cancelled sales)_____		5,219.43
Arrears interest as at March 31, 1957_____		43,293.02
	<u>\$</u>	<u>108,104.42</u>
		<u>\$108,104.42</u>





## **Registration Division**

### **REPORT OF THE REGISTRAR.**

**C. B. KENWAY**

During the past sixteen years the incoming mail has varied from a high of 274,019 pieces for the fiscal year 1946-47, to a low of 104,965 pieces in 1952-53. Since the latter date, there has been a slight increase each year. This is shown graphically in the accompanying chart. The past year shows about 5 1/2% increase over the previous year. The graph (not shown) for outgoing mail is very similar to that for incoming mail.

On the other hand, there is a decrease of about 4% in the number of entries in the township registers for the past year, as shown by a number of representative record entries. During the previous year, a decrease of 2% was noted. In the last annual report, the opinion was expressed that various statistics throughout the report indicated a leveling off, or a plateau had been reached in the number of licenses, permits, etc. in force. This seems to be borne out by the figures in the present report.

For a number of years now, this Division has eliminated, amalgamated and generally improved the methods and procedures within the Division. That the changes have been worthwhile is borne out by the fact that our staff has remained more or less constant, regardless of the additional work assumed, closer attention to detail and the better service provided.

Around the middle of September the change-over of files from file backs to folders was completed. Lack of staff and folders at various times delayed the work and the change-over was not completed as soon as expected.

During January the file room was moved to the sixth floor of the building with the result that all filing cabinets are in one room and not scattered throughout the halls and vaults, as formerly.

In October, the Dominion Government sent all the land files patented prior to the transfer of the natural resources. There were 290 cases of stripped files. Extra staff was employed in January to microfilm these files.

Now that these files are located within the Department, there has been a considerable increase in the number of requests for proof of age and nationality. Three hundred and eighty rolls of microfilm were exposed during the past year.

Transcribing of file plot books and township registers are continuing as "pick-up" jobs during slack times.

More standings of land are being requested internally and externally.

Dispositions of land in the oil-producing areas are becoming congested, with the result that records and plots will have to be redesigned on a larger scale in order to enter the necessary details.

The staff is to be commended for the way in which the work of the Department has been accomplished over the year, and my sincere appreciation is extended to each and everyone for his or her contribution.

SUMMARY OF INCOMING AND OUTGOING MAIL BY NUMBER  
OF PIECES FOR THE PAST FIVE YEARS

Year	Incoming	Outgoing	Total
1952-53	104,965	174,388	279,530
1953-54	107,268	189,123	296,391
1954-55	112,235	193,961	307,196
1955-56	114,659	208,821	323,480
1956-57	120,947	222,401	343,348

A TWO YEAR COMPARISON OF SOME OF THE PRINCIPAL  
RECORD ENTRIES

Item	1955-56	1956-57	Difference
Assignments registered	335	409	74
Notifications for patent	622	576	-46
Timber berth and special timber permit applications	559	696	137
Accrued area leases entered	55	60	5
Accrued area leases cancelled	78	129	51
Homestead leases (civilian) entered	783	564	-219
Homestead leases (civilian) cancelled	674	509	-165
Homestead leases (veteran) entered	91	50	-41
Homestead leases (veteran) cancelled	119	87	-32
Licenses of occupation entered	18	31	13
Licenses of occupation cancelled	18	26	8
Miscellaneous leases entered	55	58	3
Miscellaneous leases cancelled	25	34	9
Cultivation leases entered	82	31	-51
Cultivation leases cancelled	39	71	32
Public land sales entered	176	153	-23

Item	1955-56	1956-57	Difference
Public land sales cancelled	8	22	14
Road allowance leases entered	120	132	12
Road allowance leases cancelled	51	63	12
Grazing leases entered	271	558	287
Grazing leases cancelled	66	66	0
School land sales entered	112	128	16
School land sales cancelled	14	25	11
School land miscellaneous leases entered	0	0	0
School land miscellaneous leases cancelled	2	9	7
School land cultivation leases entered	24	24	0
School land cultivation leases cancelled	38	47	9
Right of entry applications entered	1,116	1,045	-71
Right of entry applications cancelled	176	161	-15
Sand and gravel leases entered	34	42	8
Sand and gravel leases cancelled	11	21	10
Miscellaneous permits entered	577	694	117
Grazing permits entered	1,840	1,503	-337
Cultivation permits entered	59	58	-1
Sand and gravel permits entered	36	97	61
School lands grazing permits entered	1,176	803	-373
School lands cultivation permits entered	26	29	3
TOTAL	9,486	9,011	-475

## INFORMATION ON ALBERTA PROVINCIAL PARKS

NAME	AREA	FOR YOUR ENJOYMENT												LEGEND	NEAREST TOWNS OR CITIES
		SCENIC	HISTORICAL	RECREATION	PICNICKING	BOATING	SWIMMING	FISHING	PLAYGROUNDS	RESTAURANTS	TRAILING	CABINS FOR RENT	SEASONAL	CARETAKER	
ASPEN BEACH	90 ACRES	•				X	X	X	X	X	P	X	X	C	BENTLEY
BEAUVAIS LAKE	515 ACRES	•				X	X	X	X	X	P	X	X	C	PINCHER CREEK
CRIMSON LAKE	3804 ACRES	•				X	X	X	X	X	X	X	X	C	ROCKY MOUNTAIN HOUSE
CROSS LAKE	960 ACRES	•													FAWCETT
CYPRESS HILLS	78 SQ MILES	•				X	X	X	X	X	X	X	X	C	MEDICINE HAT
DILBERRY LAKE	491 ACRES	•				X	X	X	X	X	P	X	X	C	CHAUVIN
GARNER LAKE	320 ACRES	•				X	X	X	X	X	P	X	X	C	PROVOST
GOOSEBERRY LAKE	320 ACRES	•				X	X	X	X	X	P	X	X	C	SPEDDEN
KINBROOK ISLAND	95 ACRES	•				X	X	X	X	X	P	X	X	C	CONSORT
LAC CARONAL	160 ACRES	•				X	X	X	X	X	P	X	X	C	BROOKS
LITTLE BOW	130 ACRES	•				X	X	X	X	X	P	X	X	C	BROOKS
MA-ME-O BEACH	4 ACRES	•				X	X	X	X	X	P	X	X	C	CHAMPION
PARK LAKE	185 ACRES	•				X	X	X	X	X		X	X	C	WETASKIWIN
PENBINA RIVER	493 ACRES	•				X	X	X	X	X	P	X	X	C	LETHBRIDGE
RED LODGE	160 ACRES	•				X	X	X	X	X	P	X	X	C	ENTWISTLE
ROCHON SANDS	360 ACRES	•				X	X	X	X	X	P	X	X	C	BOWDEN
SASKATOON ISLAND	251 ACRES	•				X	X	X	X	X	P	X	X	C	ERSKINE
STEVEVILLE DINOSAUR	22,072 AC.	•				X	X	X	X	X	P	X	X	C	WEMBLEY
SYLVAN LAKE	9 ACRES	•				X	X	X	X	X	P	X	X	C	GRANDE PRAIRIE
TABER	82 ACRES	•				X	X	X	X	X	P	X	X	C	BROOKS
TWELVE FOOT DAVID	2 ACRES	•				X	X	X	X	X	P	X	X	C	VERMILION
VERMILION	2604 AC.	•				X	X	X	X	X	P	X	X	C	PEACE RIVER
WABAMUN	511 ACRES	•				X	X	X	X	X	P	X	X	C	VERMILION
WINAGAMI	2932 AC.	•													WABAMUN
WOOLFORD	70 ACRES	•				X									McLENNAN
WRITING-ON-STONE	795 ACRES	•				X									CARDSTON
		•				X									WOLFORD
		•													MILK RIVER
															EDMONTON

Technical Division



**Provincial Parks Administration**

## REPORT OF THE PROVINCIAL PARKS BOARD

V. A. WOOD, *Chairman*T. W. DALKIN, *Board Member*

The past year has been the busiest in the history of the provincial parks. That the provincial parks are playing an important part in meeting the recreational needs of the people is shown by the growing attendance at these parks. The demands for increased improvements have strengthened the Board's belief that the parks are providing fine recreation for Albertans. Previous development plans for orderly expansion in providing facilities, have been found in several cases to lag behind the need, and revised plans are being prepared.

By Orders in Council 1557/56 and 478/57, Winagami Lake and Long Lake were established as provincial parks to provide further recreational facilities in the northern portion of the province. Consideration is being given to the establishment of several other areas in the province as provincial parks. A policy is being followed of reserving suitable areas of Crown land throughout the province for future park development.

The Board's program to safeguard Alberta's historical sites of interest has been handicapped because of the difficulty in securing titles to the desired areas but it is felt that titles to these areas will be acquired in the near future.

To achieve good sanitary conditions and to help maintain the parks, seventeen summer caretakers were employed. Two parks have full time employees while the others were maintained by casual labour.

There are thirty-three provincial parks, twenty-six of which are being developed and are considered active parks. Six are considered inactive and little or no development is taking place at the present time. One is being maintained as an historical site.

The following is a brief summary of the main developments and activities carried on at the active parks during the fiscal year:

Aspen Beach Park - The installation of playground equipment and picnic facilities were the major undertakings, besides maintenance of the beach and picnic grounds.

Beauvais Lake Park - The main improvements included the construction of a caretaker's residence, storage building, bathhouses, pier extension, and clearing the camping grounds.

Crimson Lake Park - Work was started on a parking lot, trailer park and campsite. Barriers were erected to prevent cars being driven on the beach. A large sand knoll, in which the children had been tunnelling, was levelled, to prevent the possibility of accidents occurring. A demand for cottage lots has resulted in consideration being given to the surveying of additional lots.

Cross Lake Park - This park is in the first stages of development. Access to the park is now possible by means of a road constructed by the Department of Highways. Toilet facilities, a supply of drinking water and picnic tables have been provided. Some playground equipment has been installed and 10 acres of under-brushing have been completed. Work was started to improve the beach.

Cypress Hills Park - The road program was continued as well as improvements to the beach, playground and camp areas. A new Assistant Warden's residence was built. More machinery was purchased for maintenance work.

Dillberry Lake Park - Improvement of the roads within the park, brush cleanup and maintenance of the beach were the major works carried out in this park. Due to the stocking of the lake with trout a very definite increase has been noted in the number of visitors and campers at the park. The demand for cottage lots has increased.

Garner Lake Park - A considerable rise in the level of the lake reduced the beach area to a fraction of its former size. Further work on the beach has been postponed until it is possible to accurately establish the lake level. The park is well supported by the public. Expenditures were for maintenance only.

Gooseberry Lake Park - A new floor was laid in the main hall and picnic facilities were improved.

Kinbrook Island Park - More trees were planted and extensive improvements made to the irrigation system. Another bathhouse was constructed and extra playground equipment installed. Although considerable thought was given to building a permanent pier, the idea was rejected because of fluctuating lake levels, and the merits of the various types of floating piers are being investigated.

Lac Cardinal Park - This is a new park and development consisted of improving and sanding the beach, installing playground equipment, picnic and sanitary facilities, and the drilling of a water well.

Little Bow Park - A tractor and various attachments were purchased for park maintenance. The irrigation system was enlarged, additional road work undertaken, and more playground equipment installed. As water wells in this area contain a high percentage of salts, consideration is being given to the construction of a cistern and filter.

Long Lake Park - No development was undertaken, as extensive survey work is required. This work will be undertaken in the forthcoming year.

Ma-Me-O Beach Park - Work consisted mainly of general maintenance and providing additional picnic facilities.

Park Lake Park - A major undertaking at this park was the rip-rapping of the wave-eroded shore line at the north picnic area. Improved picnic and playground facilities were provided and general maintenance and repairs to buildings carried out.

Pembina River Park - Major undertakings included additional road work, construction of a garbage pit and incinerator, and erection of more sanitary facilities. Further picnic facilities were provided and general maintenance carried out.

Red Lodge Park - Work in this park was designed to improve the existing facilities, and to utilize the limited area to provide the maximum accommodation.

Rochon Sands Park - Work was limited to improving the picnic facilities and to general maintenance of the area.

Saskatoon Island Park - Work was limited to improving the picnic facilities and to general maintenance of the area.

Steveville Dinosaur Park - No improvements were undertaken. The land within the park, owned by the Eastern Irrigation District, was acquired and negotiations started to purchase other privately-owned land.

Sylvan Lake Park - Additional fill dirt was placed to raise the park above the level of the lake. The four picnic shelters were raised another two feet to make them serviceable.

Taber Park - Work in this park was generally restricted to the maintenance of existing facilities.

The Vermilion Park - Development has continued at a steady pace during the past few years, increasing the popularity of the park. Graveling of roads, sanding of the beach, underbrushing, increased sanitary facilities and construction of an Administration Building, were some of the improvements undertaken during the year. A sub-division has been surveyed as a result of inquiries and requests made to the department.

Wabamun Lake Park - Extensive dragline work on the beach and the clearing and brushing of 13 acres for future parking were the main projects undertaken. Further work in this area will be hampered until the highway is diverted.

Winagami Lake Park - No projects were undertaken during the year.

Woolford Park - General maintenance only.

Writing-on-Stone Park - Improvements to the picnic and playground areas were made, and general maintenance carried out.

#### Standing of Provincial Park Leases on March 31/57

	Leases	Applications	Cancellations
Beauvais Lake Park	43	1	
Crimson Lake Park	77	18	1
Cypress Hills Park	141	12	1
Dillberry Lake Park	12	6	
Gooseberry Lake Park	6	6	
Kinbrook Island Park	29	10	
Total	308	53	2

The following is a summary of the revenue and expenditures for the fiscal year:

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Amount appropriated for provincial park purposes	\$ 126,380.00
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Revenue received from each park:

Administration	
Gooseberry Lake	50.00
Beauvais	275.35
Little Bow	
Cross Lake	16.00
Saskatoon Island	277.60
Cypress Hills	13,356.42
Crimson Lake	859.95
Dillberry Lake	115.00
Red Lodge	
Ma-Me-O Beach	
Garner Lake	56.00
Pembina River	21.00
Kinbrook Island	190.00
Steveville	
Taber	
Park Lake	45.00
Writing-On-Stone	114.00
Wabamun Lake	
Woolford	
Sylvan Lake	
Rochon Sands	16.00
Aspen Beach	
Lac Cardinal	
Drumheller Protected Area	45.69
Vermilion	114.74

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Total	\$ 15,552.75
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Expenditures for each park:

Administration	\$ 5,516.79
Gooseberry Lake	1,275.62
Beauvais	2,778.10
Little Bow	6,041.27
Cross Lake	1,968.67
Saskatoon Island	1,489.74
Cypress Hills	29,126.86
Crimson Lake	5,826.57
Dillberry Lake	1,138.62
Red Lodge	3,675.10
Ma-Me-O Beach	233.81
Garner Lake	1,608.60
Pembina River	3,406.83
Kinbrook Island	3,665.41
Steveville	13.12
Taber	2,563.68
Park Lake	10,765.48
Writing-On-Stone	1,077.30
Wabamun Lake	18,324.00
Woolford	126.36
Sylvan Lake	3,712.00
Rochon Sands	1,130.00
Aspen Beach	5,190.60
Lac Cardinal	4,473.92
Vermilion	6,431.95
Drumheller Protected Area	

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Total\$ 121,560.40

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General Expenses such as Salaries, Office, Travelling, etc.	\$ 17,303.02
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## Expenditures from Parks Board Trust:

Administration	\$
Gooseberry Lake	
Beauvais	120.00
Little Bow	
Cross Lake	
Saskatoon Island	
Cypress Hills	18,530.95
Crimson Lake	
Dillberry Lake	
Red Lodge	
Ma-Me-O Beach	
Garner Lake	
Pembina River	
Kinbrook Island	
Stevenville	
Taber	
Park Lake	
Writing-On-Stone	
Wabamun Lake	
Woolford	
Sylvan Lake	
Rochon Sands	
Aspen Beach	
Lac Cardinal	
Vermilion	
Drumheller Protected Area	

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Total	\$ 18,650.95
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**Beach and Playground — Crimson Lake.**



**Rochon Sands.**

## PERSONNEL

## Of Department of Lands and Forests

## by Branches

## 1. MINISTER'S OFFICE

1 Minister  
 1 Secretary  
2

## 2. DEPUTY MINISTER'S OFFICE

1 Deputy Minister  
 1 Departmental Solicitor  
 1 Secretary  
 1 Stationery and Equipment Clerk  
 1 Personnel Officer  
 1 Personnel Clerk  
 1 Stenographer  
 2 Clerk-Typists  
9

## 3. PUBLIC LANDS

1 Director of Lands  
 1 Asst. Director of Lands  
 1 Supervisor Grazing Appraisal  
 1 Grazing Appraiser  
 1 Supervisor Land Classification  
 1 Field Supervisor  
 4 District Supervisors  
 8 Soil Investigators  
 6 Supervisors (Office)  
 1 Asst. Supervisor (Office)  
 16 Correspondence Clerks  
 1 Counter Clerk  
 2 Clerks  
 25 Stenographers  
 6 Clerk-Typists  
 1 Sub-Agent, Peace River  
 1 Sub-Agent, Grande Prairie  
77

## 4. FORESTS AND WILDLIFE DIVISION

1 Director of Forestry  
 1 Asst. Director of Forestry and Superintendent of Management  
 1 Asst. Superintendent of Management  
 1 Forester i/c Training School  
 1 Asst. to Forester i/c Training School  
 1 Chief Clerk  
 1 Timber Administrative Officer  
 1 Clerk-Accountant  
 5 Correspondence Clerks  
 4 Clerks  
 1 Counter Clerk  
 1 Secretarial Clerk  
 1 Clerk-Stenographer  
 8 Stenographers  
 1 Clerk-Typists  
 4 Timber Auditors  
33

## 4a. Forest Protection Branch

1 Sr. Superintendent of Protection  
 1 Asst. Sr. Superintendent of Protection  
 6 Forest Superintendents  
 10 Asst. Forest Superintendents  
 1 Timber Inspector  
 1 Chief Check Scaler  
 2 Asst. Check Scalers  
 11 Forest Officer III  
 71 Forest Officers II  
 25 Forest Officers I  
 6 Radio Operators  
 14 Lookout Men - classified and year round  
 Lookout Men - seasonal  
 7 Stenographers  
 7 Forest Clerks  
 1 Asst. Forest Clerk  
164

## 4b. Forest Surveys Branch

1 Sr. Superintendent  
 1 Forester i/c Inventory  
 1 Forester i/c Planning  
 6 Foresters  
 1 Photogrammetry and Compilation Supervisor  
 6 Photogrammetrists  
 5 Draughtsmen and Compilers  
 2 Draughtsmen  
 1 Photo Librarian  
 1 Stenographer  
 1 Clerk-Typist  
26

## 4c. Radio Communications Branch

1 Radio Superintendent  
 1 Asst. Radio Superintendent  
 2 Chief Radio Operators  
 10 Radio Technicians  
 3 Radio Operators  
 2 Stenographers  
19

## 4d. Fish and Game Branch

1 Superintendent of Game  
 1 Superintendent of Fisheries  
 6 Biologists  
 1 Chief Clerk  
 1 Hatchery Supt. (Fisheries)  
 1 Asst. Hatchery Supt. (Fisheries)  
 1 Hatchery Supt. (Game)  
 1 Asst. Hatchery Supt. (Game)  
 5 Hatchery Assistants  
 42 Fish and Game Officers  
 2 Clerks  
 8 Stenographers  
70

5. EASTERN ROCKIES FOREST  
CONSERVATION BOARD

## 5a. Administrative Office, Calgary

- 1 Administrative Officer
- 2 Foresters
- 1 Forest Engineer
- 1 Maintenance Foreman  
(Construction)
- 1 Maintenance Foreman  
(Mechanical)
- 1 Road Foreman
- 2 Gradersmen
- 1 Garage Mechanic
- 1 Warehouseman
- 1 Office Supervisor
- 1 Stenographer
- 1 Accounting Clerk
- 1 Clerk-Typist

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## 5b. Crowsnest Forest Reserve

- 1 Forest Superintendent
- 1 Asst. Forest Superintendent
- 1 Forest Officer III
- 6 Forest Officers II
- 4 Forest Officers I
- 1 Mechanic Operator
- 5 Lookout Men - classified  
and seasonal
- 1 Forest Clerk
- 1 Stenographer

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## 5c. Bow River Forest Reserve

- 1 Forest Superintendent
- 1 Asst. Forest Superintendent
- 1 Forest Officer III
- 6 Forest Officers II
- 11 Forest Officers I
- 1 Mechanic Operator
- 7 Lookout Men - classified  
and seasonal
- 1 Forest Clerk
- 1 Stenographer
- 1 Clerk-Typist

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## 5d. Clearwater Forest Reserve

- 1 Forest Superintendent
- 1 Asst. Forest Superintendent
- 1 Forest Officer III
- 3 Forest Officers II
- 6 Forest Officers I
- 1 Mechanic Operator
- 4 Lookout Men - classified  
and seasonal
- 1 Forest Clerk
- 1 Stenographer
- 1 Clerk-Typist

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## 6. TECHNICAL DIVISION

- 1 Director Technical Division
- 1 Assistant Director
- 2 Surveyors
- 2 Asst. Surveyors
- 1 Engineer
- 1 Senior Photogrammetrist
- 3 Photogrammetrists
- 1 Senior Draughtsmen
- 4 Technical Assistants
- 9 Draughtsmen
- 2 Draughtsmen - Computers
- 1 Inspector and Investigator
- 1 Instrument Man (Restoration  
Surveys)
- 1 Photo Processor and Supervisor
- 2 Asst. Photo Processors
- 1 Photostat Operator
- 1 Ozalid Machine Operator
- 1 Map Moulder and Junior  
Photostat Operator
- 4 Stenographers
- 3 Clerk-Typists
- 1 Librarian

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## 7. ACCOUNTS

- 1 Administrative Accountant
- 1 Asst. Administrative Accountant
- 4 Supervisors
- 24 Clerks
- 2 Cashiers
- 5 Bookkeeping Machine Operators
- 2 Stenographers
- 7 Clerk-Typists

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## 8. PROVINCIAL PARKS BOARD

- 1 Superintendent of Parks
- 1 Park Planning and Administrative  
Officer
- 1 Park Warden - Cypress Hills
- 1 Asst. Park Warden -  
Cypress Hills

4

## 9. REGISTRATION

- 1 Registrar
- 2 Supervisors
- 2 Asst. Supervisors
- 2 Recordak Operators
- 25 Clerks
- 1 Stenographer

33

613 Total for Department



OFFICE OF  
EQUIPMENT AND SUPPLIES

More outside offices were opened by the Department during the year commencing April 1st, 1956, and consequently the work of this office increased proportionately.

The following is a statement of stationery, fish and game licenses and tags, small office equipment and incidentals forwarded by this Branch during the year: -

Express Parcels	545
Registered Mail	3,833
Parcels Mailed	1,692
Pamphlets	1,137
Letters	273

A record is kept in this office of all typewriters in the Department with entries made for service charges and repairs. All telephone listings are checked and changes made when required. All magazines and periodicals for the different branches are recorded here and notations made when the subscription is renewed.

All advertisements for sales of timber berths, notices of tenders, sub-agencies etc. are processed through this office to Mr. Bryant, Director of Advertising.

The mimeograph machine is being used continually and during the year 1,288 stencils were cut and 437,940 sheets run off. This is an average of 107 stencils and 36,495 sheets per month or 5 stencils and 1,659 sheets per day.

The annual report was again typed in this office. This is a big item on our work calendar during August and September.

I sincerely appreciate the co-operation of the staff in seeing that all their duties are carried out in a pleasant and co-operative manner. I deeply regret the fact that they will be leaving to take on other responsibilities in the near future.





